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PLASMA TV

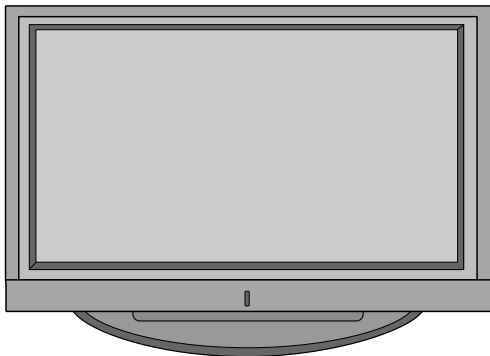
SERVICE MANUAL

CHASSIS :PA-63E

MODEL : 60PC1D 60PC1D-UE

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by \triangle in the Schematic Diagram and Replacement Parts List. It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards. Do not modify the original design without permission of manufacturer.

General Guidance

An **Isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the same specified type.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

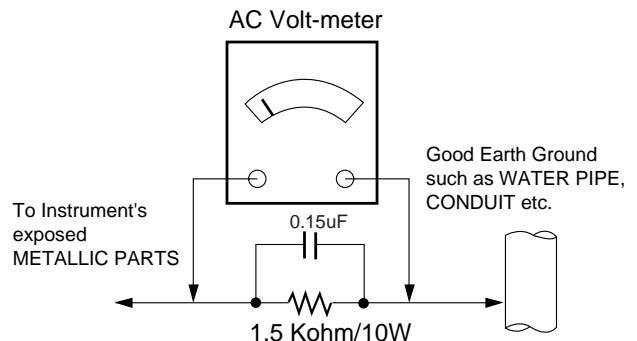
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.

In case any measurement is out of the limits sepcified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



CANADA: LG Electronics Canada, Inc. 550 Matheson
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USA : LG Customer Interactive Center
P.O.Box 240007, 201 James Record Road Huntsville,
AL 35824
Digital TV Hotline 1-800-243-0000

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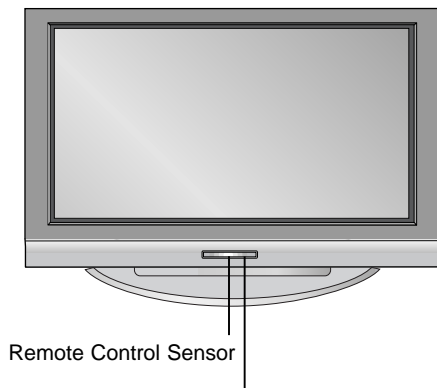
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DESCRIPTION OF CONTROLS

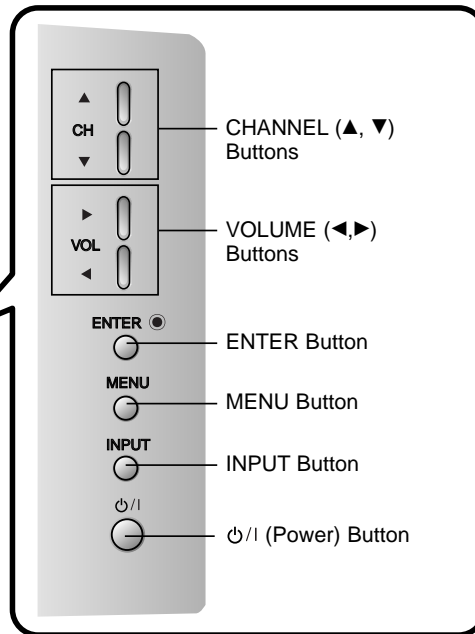
Controls (Model Name: 42PC3DU/3DVU/50PC3DU/60PC1D)

- This is a simplified representation of front panel.
- This picture shown below may be somewhat different from your TV.

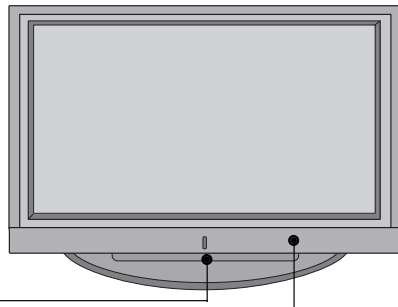
42/50PC3DU/42PC3DVU



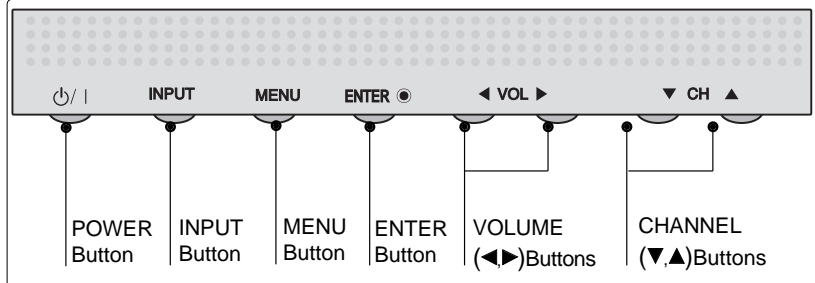
Power/Standby Indicator
• illuminates red in standby mode.
• illuminates green when the set is switched on.



60PC1D



Power Standby Indicator
Illuminates red in stand-by mode.
Illuminates green when the set is switched on.

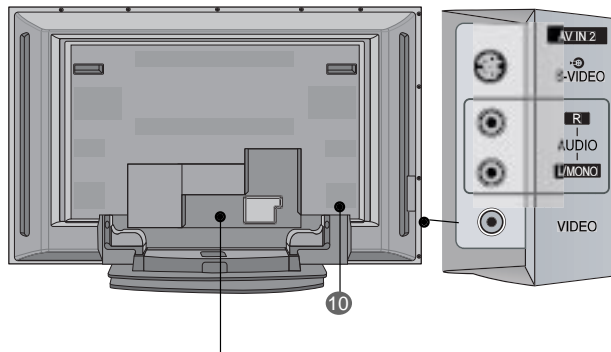


DESCRIPTION OF CONTROLS

Connection Options

(Model Name: 42PC3DU/3DVU/50PC3DU/60PC1D)

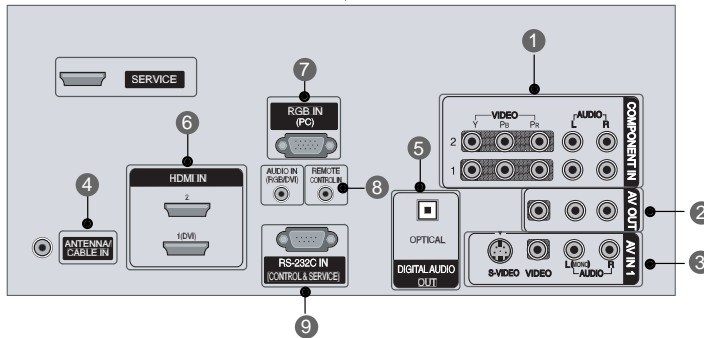
- This picture shown below may be somewhat different from your TV.



S-VIDEO Input
Provides better picture quality than the video input.

AUDIO Input
Connections are available for listening to stereo sound from an external device.

VIDEO Input
Connects the video signal from a video device.



1 COMPONENT IN

Connect a component video/audio device to these jacks.

2 AV OUT

Connect a second TV or monitor.

3 AV (Audio/Video) IN 1

Connect audio/video output from an external device to these jacks.

S-VIDEO

Connect S-Video out from an S-VIDEO device.

4 ANTENNA/CABLE IN

Connect over-the air signals to this jack.

5 DIGITAL AUDIO OUT

Connect digital audio from various types of equipment.

Note: In standby mode, these ports do not work.

6 HDMI IN

Connect a HDMI signal to 1(DVI) or 2.
Or DVI (VIDEO)signal to the 1(DVI) port with a DVI to HDMI cable.

7 RGB IN (PC)

Connect the monitor output from a PC to the appropriate input port.

8 Remote Control Port

Connect your wired remote control.

AUDIO IN (RGB/DVI)

Connect the monitor output from a PC to the appropriate input port.

9 RS-232C IN (CONTROL & SERVICE) PORT

Connect to the RS-232C port on a PC.

10 Power Cord Socket

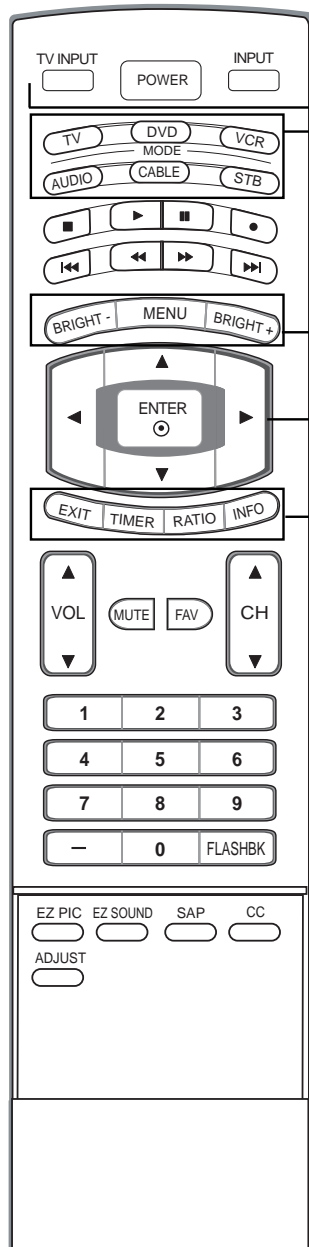
For operation with AC power.

Caution:

Never attempt to operate the TV on DC power.

DESCRIPTION OF CONTROLS

Remote Control Key Functions



POWER

Turns your TV or any other programmed equipment on or off, depending on mode.

TV INPUT

Rotates the input mode between Antenna and Cable. In AV1-2, Component 1-2, RGB-DTV (or RGB-PC), HDMI1/DVI, and HDMI2 input sources, screen returns to the last TV channel.

INPUT

External input modes rotate in regular sequence: TV, AV1-2, Component 1-2, RGB-PC, HDMI1/DVI or HDMI2.

(AV 1-2, Component 1-2, RGB-PC, HDMI1/DVI or HDMI2 input sources are linked automatically, only if these are connected.)

MODE

Selects the remote operating mode: TV, DVD, VCR, AUDIO, CABLE, or STB. Select a mode other than TV, for the remote to operate an external device.

MENU

Brings up the main menu to the screen.

BRIGHT + / -

- Adjust brightness on screen.

- It turns to the default settings brightness by changing mode source.

THUMBSTICK (Up/Down/Left/Right/ENTER)

Allows you to navigate the on-screen menus and adjust the system settings to your preference.

EXIT

Clears all on-screen displays and returns to TV viewing from any menu.

TIMER

Lets you select the amount of time before your TV turns itself off automatically.

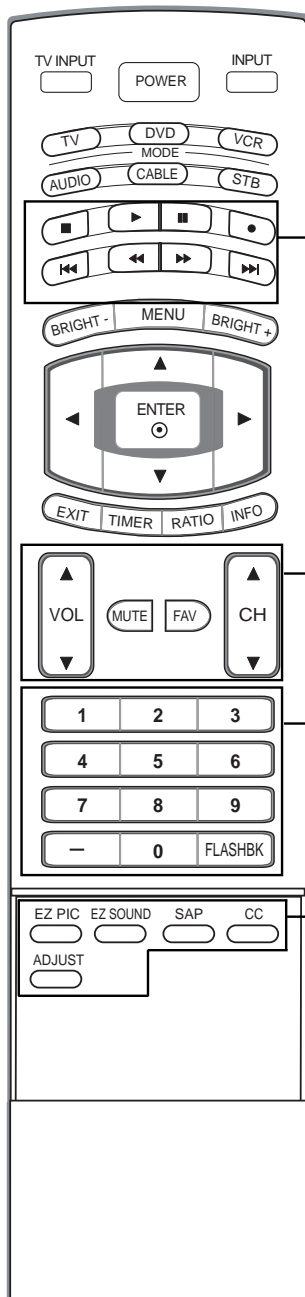
RATIO

Changes the aspect ratio.

INFO

When you watch the TV, information displays on top of the screen. Not available in Component 1-2, RGB, HDMI1/DVI and HDMI2 mode.

DESCRIPTION OF CONTROLS



VCR/DVD/DVHS/Camcorder BUTTONS

Control some video cassette recorders or DVD players ("RECORD" button is not available for DVD player).

VOLUME UP/DOWN

Increases/decreases the sound level.

CHANNEL UP/DOWN

Selects available channels found with EZ scan and Manual scan.

MUTE

Switches the sound on or off.

FAV

Use to scroll the Favorite channels.

NUMBER BUTTONS

— (DASH)

Used to enter a program number for multiple program channels such as 2-1, 2-2, etc.

FLASHBK

Returns to the last channel viewed.

EZ PIC

Selects a factory preset picture mode depending on the viewing environment.

EZ SOUND

Selects the sound appropriate for the program's character.

SAP

Selects MTS sound: Mono, Stereo, and SAP in analog mode. Change the audio language in DTV mode.

CC (*In DTV/CADTV mode)

Select a closed caption: Off, CC1~4, Text1~4.

ADJUST

Adjusts screen position, size, and phase in PC mode.

SPECIFICATIONS

60PC1D (60PC1D-UE)	Dimensions (Width x Height x Depth)	with stand	60.8 x 40.8 x 16.0 inches 1544.0 x 1035.5 x 408.2 mm
		without stand	60.8 x 38.4 x 4.7 inches 1544.0 x 977.0 x 119.2 mm
	Weight	with stand	163 pounds / 74.0 kg
		without stand	137.3 pounds / 62.26 kg
42PC3DU (42PC3DU-UE)	Dimensions (Width x Height x Depth)	with stand	44.4 x 29.5x 15.0 inches 1129.0 x 748.5 x 380.0 mm
		without stand	44.4 x 27.4 x 4.1 inches 1129.0 x 695 x 103.7 mm
	Weight	with stand	64.4 pounds / 29.2 kg
		without stand	55.8 pounds / 25.3 kg
42PC3DVU (42PC3DVU-UE)	Dimensions (Width x Height x Depth)	with stand	44.4 x 29.5x 15.0 inches 1129.0 x 748.5 x 380.0 mm
		without stand	44.4 x 27.4 x 4.1 inches 1129.0 x 695 x 103.7 mm
	Weight	with stand	62.6 pounds / 28.4 kg
		without stand	54.0 pounds / 24.5 kg
50PC3DU (50PC3DU-UE)	Dimensions (Width x Height x Depth)	with stand	51.3 x 34.3 x 14.0 inches 1302.6 x 872.0 x 355.8 mm
		without stand	51.3 x 31.9 x 4.2 inches 1302.6 x 810.0 x 107.7 mm
	Weight	with stand	114.4 pounds / 51.9 kg
		without stand	95.0 pounds / 43.1 kg
Power requirement Television System Program Coverage External Antenna Impedance			AC100-240V ~ 50/60Hz NTSC-M, ATSC, 64 & 256 QAM VHF 2 ~ 13, UHF 14 ~ 69, CATV 1 ~ 135, CADTV 1 ~ 135, DTV 2 ~ 69 75 Ω
Environmental condition	Operating Temperature		32 ~ 104°F (0 ~ 40°C)
	Operating Humidity		Less than 80%
	Storage Temperature		-4 ~ 140°F (-20 ~ 60°C)
	Storage Humidity		Less than 85%

• The specifications shown above may be changed without prior notice for quality improvement.

ADJUSTMENT INSTRUCTIONS

1. Application Object

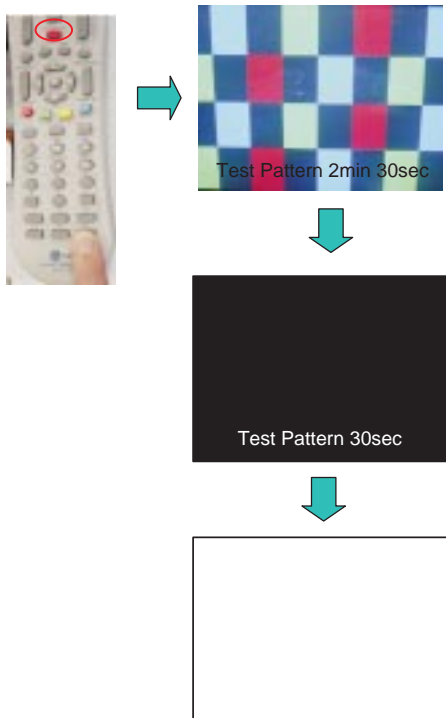
These instructions are applied to all of the PDP TV, PA63E.

If you turn on a still screen more than 20 minutes (Especially Digital pattern(13 CH), Cross Hatch Pattern), an afterimage may occur in the black level part of the screen.

2. Notes

- (1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test equipment.
- (2) Adjustments must be done in the correct order.
- (3) The adjustments must be performed in the circumstance of $25\pm5^{\circ}\text{C}$ of temperature and $65\pm10\%$ of relative humidity if there is no specific designation.
- (4) The input voltage of the receiver must be kept 110V, 60Hz when adjusting.
- (5) The receiver must be operational for about 15 minutes prior to the adjustments.

- Preliminary action is applied to the test for afterimage discharge detection, and 100% FULL WHITE PATTERN must be operated automatically.
- Test for afterimage discharge detection
 - 1) After pressing Power Only key(only operating by pressing Power Only key), Full Test Pattern(2 min 30sec) --> Full Black Pattern(30sec) --> After this state, Full White Pattern is displayed.
(but you must preset the program for Full White State when you press the Main Power Off/On)
 - 2) Pattern Mode is deselected by pressing CH +/-, Exit Key.

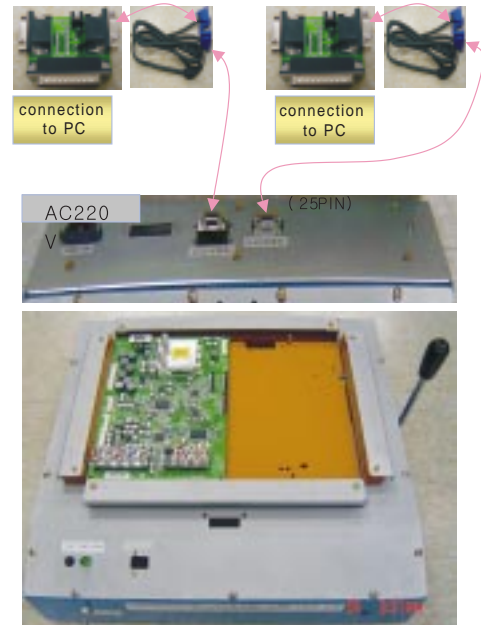


3. MICOM Download(Optional)

3-1. Required Test Equipment

- (1) JIG-LEVER TYPE for adjusting: 1EA
- (2) PC & MONITOR: 2EA
- (3) BOARD for INTERFACE: IIC & ISP BOARD: 2EA
- (4) 15P D-SUB CABLE: 2EA
- (5) Using the 12/15 line of D-SUB 15P
12-SDA/15-SCL

3-2. JIG Connection



3-3. Establishment Program

- (1) Establish LGE Monitor Tools v1.1
- (2) The program work and it is opened program window as seen below.



* Set is activated HEAT-RUN without signal generator in this mode.

ADJUSTMENT INSTRUCTIONS

- (3) Click the first icon shown in fig.9. The window seen in fig.10 should appear.



- (3) Click the Send.



- (4) When you see (ISP COMPLETE) the download is complete.

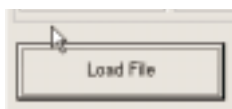


3-4. Set Method

- (1) MCU Select: MTV512M64
- (2) Option
 - R/W Option: Auto Write(Verity)
 - Jig Option: Myson
 - Transmit Speed: Medium
- (3) Check: Just do it with blank micom.
- (4) PORT
 - Chose Parallel Port (normal LPT1)
 - Attention: You must chose EPP when select Rom BIAS at LPT

3-5. Download Method

- (1) Click the Load File.



- (2) Locate and select the correct file from your computer.
(* .hex).

ADJUSTMENT INSTRUCTIONS

4. ADC-Set Adjustment

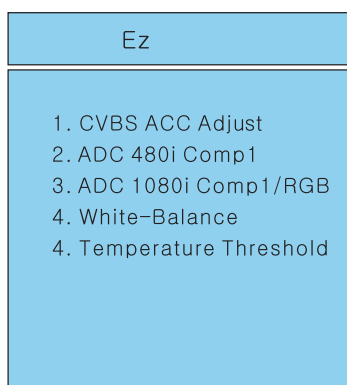
4-1. Synopsis

ADC-Set adjustment to set the black level and the Gain to optimum.

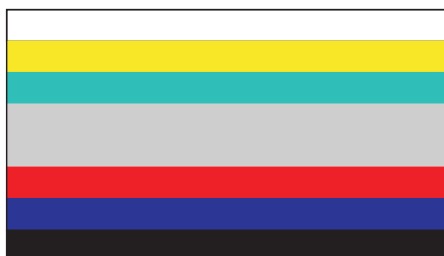
4-2. Test Equipment

Service R/C, 801GF(802V, 802F, 802R) or MSPG925FA Pattern Generator

(480i/1080i The Horizontal 100% Color Bar Pattern adjust to within $0.7 \pm 0.1Vp-p$)



<Adjustment Mode>



<Adjustment Pattern: 480i/1080i 60Hz HozTV31Bar Pattern>

4-3. Adjustment

- (1) Select Component1 as the input with 100% Horizontal Color Bar Pattern(HozTV31Bar) in 480i Mode
- (2) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and select the '2. ADC 480i Comp1'.
Pressing the Enter Key to adjust automatically.
- (3) When the adjustment is over, 'MST3361 Component Success' is displayed. If the adjustment has errors, 'MST3361 Configuration Error' is displayed.
- (4) Select Component1 as the input with 100% Horizontal Color Bar Pattern(HozTV31Bar) in 1080i Mode.
- (5) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and select the '3. ADC 1080i Comp1/RGB'.
Pressing the Enter Key to adjust automatically.

- (6) When the adjustment is over, 'MST3361 Component Success' is displayed. If the adjustment has errors, 'MST3361 Configuration Error' is displayed.
- (7) After the Component MST3361 adjustment is over, convert the RGB-DTV Mode and display Pattern.
When the adjustment is over, 'MST3361 RGB_DTV Success' is displayed.
- (8) Readjust after confirming the case Pattern or adjustment condition where the adjustment errors.
- (9) After adjustment is complete, exit the adjustment mode by pressing the ADJ KEY.

ADJUSTMENT INSTRUCTIONS

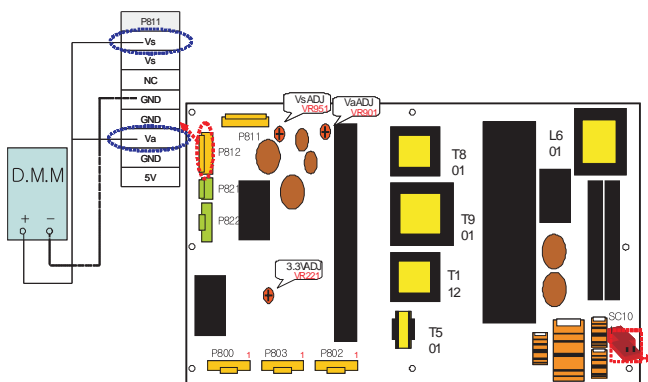
Each PCB Assy must be checked by Check JIG Set before assembly. (Especially, be careful Power PCB Assy which can cause Damage to the PDP Module.)

5. POWER PCB Assy Voltage Adjustment (Va, Vs Voltage Adjustment)

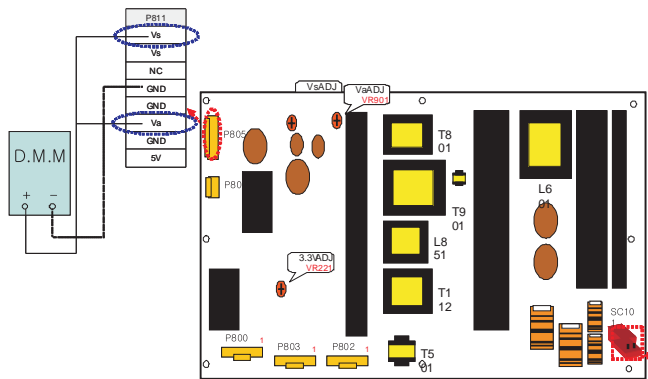
5-1. Test Equipment : D.M.M 1EA

5-2. Connection Diagram for Measuring

Refer to Fig 1.



<Fig. 1-1> Connection Diagram of Power Adjustment for Measuring (Power Board): 42" XGA



<Fig. 1-2> Connection Diagram of Power Adjustment for Measuring (Power Board): 50"

5-3. Adjustment

(1) Va Adjustment

- 1) Connect + terminal of D.M.M to Va pin of P812(50": P805) and connect – terminal to GND pin of P812(50": P805).
- 2) Adjust VR901 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)

(2) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P812(50": P805) and connect – terminal to GND pin of P812(50": P805).
- 2) Adjust RV401 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)

6. EDID(The Extended Display Identification Data)/DDC (Display Data Channel) Download

This is the function that enables "Plug and Play".

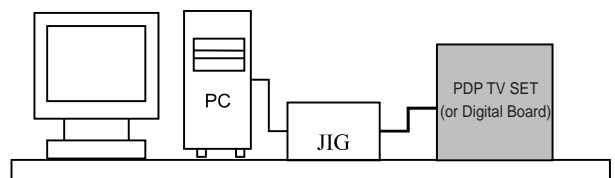
6-1. HDMI EDID Data Input

(1) Required Test Equipment

- 1) PC, Jig for adjusting DDC. (PC serial to D-sub Connection equipment)
- 2) S/W for writing DDC(EDID data write & read)
- 3) D-Sub cable
- 4) Jig for HDMI Cable connection

(2) Preparation for Adjustments & Setting of Device

- 1) Set devices as below and turn on the PC and JIG.
- 2) Open S/W for writing DDC (EDID data write & read). (operated in DOS mode)



<Fig. 2>

ADJUSTMENT INSTRUCTIONS

6-2. EDID DATA for PA-63E

[42PX3D-UE: Z42PX3D]

- EDID for HDMI-1 (DDC (Display Data Channel) Data)

EDID Block 0 table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		00	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01
10		00	10	01	03	80	5C	34	96	0A	CF	74	A3	57	4C
20		09	48	4C	2F	CE	00	31	40	45	40	61	40	01	01
30		01	01	01	01	01	64	19	00	40	41	00	26	30	18
40		36	00	C4	8E	21	00	00	1E	0E	1F	00	80	51	00
50		40	80	37	00	C4	8E	21	00	00	1C	00	00	00	FD
60		4B	1F	3C	09	00	0A	20	20	20	02	20	00	00	FC
70		00	34	32	50	58	33	44	2D	55	45	0A	43	0A	20

EDID Block 1 table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		02	03	13	F1	44	84	05	03	02	23	15	07	50	65
10		00	10	00	01	1D	00	72	51	D0	1E	20	6E	28	55
20		8E	21	00	00	1E	01	1D	80	18	71	1C	16	20	58
30		00	C4	8E	21	00	00	9E	8C	0A	D0	8A	20	E0	2D
40		3E	96	00	C4	8E	21	00	00	18	8C	0A	D0	8A	20
50		10	10	3E	96	00	13	8E	21	00	00	18	00	00	00
60		00	00	00	00	00	00	00	00	00	00	00	00	00	00
70		00	00	00	00	00	00	00	00	00	00	00	00	00	ED

- EDID for RGB-PC

EDID Block 0 table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		00	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01
10		00	10	01	03	80	5C	34	96	0A	CF	30	A3	57	4C
20		09	50	4E	A1	08	00	01	01	01	01	01	01	01	01
30		01	01	01	01	01	64	19	00	40	41	00	26	30	18
40		36	00	98	07	32	00	00	18	0E	1F	00	80	51	00
50		40	80	37	00	C4	8E	21	00	00	1C	66	21	50	B0
60		1B	30	40	70	36	00	C4	8E	21	00	00	1E	00	00
70		00	34	32	50	58	33	44	2D	55	45	0A	20	20	20

[50PC3D-UE]

- EDID for HDMI-1 (DDC (Display Data Channel) Data)

EDID Block 0 table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		00	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01
10		00	10	01	03	80	5C	34	96	0A	CF	74	A3	57	4C
20		09	48	4C	2F	CE	00	31	40	45	40	61	40	01	01
30		01	01	01	01	01	64	19	00	40	41	00	26	30	18
40		36	00	C4	8E	21	00	00	1E	0E	1F	00	80	51	00
50		40	80	37	00	C4	8E	21	00	00	1C	00	00	00	FD
60		4B	1F	3C	09	00	0A	20	20	20	02	20	00	00	FC
70		00	34	32	50	58	33	44	2D	55	45	0A	43	0A	20

EDID Block 1 table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		02	03	13	F1	44	84	05	03	02	23	15	07	50	65
10		00	10	00	01	1D	00	72	51	D0	1E	20	6E	28	55
20		8E	21	00	00	1E	01	1D	80	18	71	1C	16	20	58
30		00	C4	8E	21	00	00	9E	8C	0A	D0	8A	20	E0	2D
40		3E	96	00	C4	8E	21	00	00	18	8C	0A	D0	8A	20
50		10	10	3E	96	00	13	8E	21	00	00	18	00	00	00
60		00	00	00	00	00	00	00	00	00	00	00	00	00	00
70		00	00	00	00	00	00	00	00	00	00	00	00	00	ED

- EDID for HDMI-2 (DDC (Display Data Channel) Data)

EDID Block 0 table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		00	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01
10		00	10	01	03	80	5C	34	96	0A	CF	74	A3	57	4C
20		09	48	4C	2F	CE	00	31	40	45	40	61	40	01	01
30		01	01	01	01	01	64	19	00	40	41	00	26	30	18
40		36	00	98	07	32	00	00	18	01	1D	80	18	71	1C
50		58	2C	25	00	C4	8E	21	00	00	9E	00	00	00	FC
60		32	50	58	33	44	2D	55	45	0A	43	0A	20	00	00
70		00	38	4B	1F	3C	09	00	0A	20	20	20	20	20	01

EDID Block 1 table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		02	03	13	F1	44	84	05	03	02	23	15	07	50	65
10		00	20	00	8C	0A	D0	8A	20	E0	2D	10	10	3E	96
20		8E	21	00	00	18	8C	0A	D0	8A	20	E0	2D	10	10
30		00	13	8E	21	00	00	18	00	00	00	00	00	00	00
40		00	00	00	00	00	00	00	00	00	00	00	00	00	00
50		00	00	00	00	00	00	00	00	00	00	00	00	00	00
60		00	00	00	00	00	00	00	00	00	00	00	00	00	00
70		00	00	00	00	00	00	00	00	00	00	00	00	00	7B

- EDID for RGB-PC

EDID Block 0 table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		00	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01
10		00	10	01	03	80	5C	34	96	0A	CF	30	A3	57	4C
20		09	50	4E	A1	08	00	01	01	01	01	01	01	01	01
30		01	01	01	01	01	64	19	00	40	41	00	26	30	18
40		36	00	98	07	32	00	00	18	0E	1F	00	80	51	00
50		40	80	37	00	C4	8E	21	00	00	1C	66	21	50	B0
60		1B	30	40	70	36	00	C4	8E	21	00	00	1E	00	00
70		00	34	32	50	58	33	44	2D	55	45	0A	20	20	20

ADJUSTMENT INSTRUCTIONS

[60PC1D-UE]

• EDID for HDMI-1 (DDC (Display Data Channel) Data)

EDID Block 0 table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01
10		00	10	01	03	80	5C	34	96	0A	CF	74	A3	57	4C	B0
20		09	48	4C	2F	CE	00	31	40	45	40	61	40	01	01	01
30		01	01	01	01	01	01	64	19	00	40	41	00	26	30	18
40		36	00	C4	8E	21	00	00	1E	0E	1F	00	80	51	00	1E
50		40	80	37	00	C4	8E	21	00	00	1C	00	00	00	FD	00
60		4B	1F	3C	09	00	0A	20	20	20	02	20	00	00	00	FC
70		00	34	32	50	58	33	44	2D	55	45	0A	43	0A	20	01

EDID Block 1 table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		02	03	13	F1	44	84	05	03	02	23	15	07	50	65	03
10		00	10	00	01	1D	00	72	51	D0	1E	20	6E	28	55	00
20		8E	21	00	00	1E	01	1D	80	18	71	1C	16	20	58	2C
30		00	C4	8E	21	00	00	9E	8C	0A	D0	8A	20	E0	2D	10
40		3E	96	00	C4	8E	21	00	00	18	8C	0A	D0	8A	20	E0
50		10	10	3E	96	00	13	8E	21	00	00	18	00	00	00	00
60		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
70		00	00	00	00	00	00	00	00	00	00	00	00	00	00	ED

• EDID for HDMI-2 (DDC (Display Data Channel) Data)

EDID Block 0 table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01
10		00	10	01	03	80	5C	34	96	0A	CF	74	A3	57	4C	B0
20		09	48	4C	2F	CE	00	31	40	45	40	61	40	01	01	01
30		01	01	01	01	01	01	64	19	00	40	41	00	26	30	18
40		36	00	98	07	32	00	00	18	01	1D	80	18	71	1C	16
50		58	2C	25	00	C4	8E	21	00	00	9E	00	00	00	FC	00
60		32	50	58	33	44	2D	55	45	0A	43	0A	20	00	00	FD
70		00	38	4B	1F	3C	09	00	0A	20	20	20	20	20	01	67

EDID Block 1 table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		02	03	13	F1	44	84	05	03	02	23	15	07	50	65	03
10		00	20	00	8C	0A	D0	8A	20	E0	2D	10	10	3E	96	00
20		8E	21	00	00	18	8C	0A	D0	8A	20	E0	2D	10	10	3E
30		00	13	8E	21	00	00	18	00	00	00	00	00	00	00	00
40		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
50		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
60		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
70		00	00	00	00	00	00	00	00	00	00	00	00	00	00	7B

• EDID for RGB-PC

EDID Block 0 table =

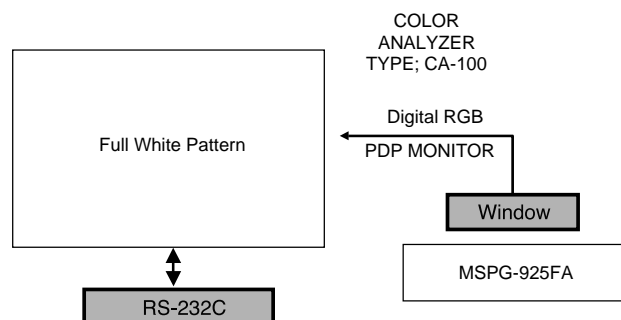
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01
10		00	10	01	03	80	5C	34	96	0A	CF	30	A3	57	4C	B0
20		09	50	4E	A1	08	00	01	01	01	01	01	01	01	01	01
30		01	01	01	01	01	01	64	19	00	40	41	00	26	30	18
40		36	00	98	07	32	00	00	18	0E	1F	00	80	51	00	1E
50		40	80	37	00	C4	8E	21	00	00	1C	66	21	50	B0	51
60		1B	30	40	70	36	00	C4	8E	21	00	00	1E	00	00	00
70		00	34	32	50	58	33	44	2D	55	45	0A	20	20	20	00

7. Adjustment of White Balance

7-1. Required Equipment

- (1) Color analyzer (CA-100 or similar product)
- (2) Automatic adjustor (with automatic adjustment necessity and the RS-232C communication being possible)
- (3) Pattern Generator(MSPG-925FA): DVI Output

7-2. Connection Diagram of Equipment for Measuring (Automatic Adjustment)



<Fig. 3> Connection Diagram of Automatic Adjustment

* RS-232C Command (Automatic Adjustment)

[42PX3D-UE: Z42PX3D]

	RS-232C COMMAND [CMD ID DATA]			Min	CENTER (DEFAULT)(Decimal)			Max (Decimal)
	Cool	Mid	Warm		Cool	Mid	Warm	
R Gain	Jg	Ja	Jd	00	bd	c0	c0	ff
G Gain	Jh	Jb	Je	00	ac	a9	8f	ff
B Gain	Ji	Jc	Jf	00	c0	b1	68	ff
R Cut					41	3f	40	7f
G Cut					40	40	40	7f
B Cut					42	41	45	7f

ADJUSTMENT INSTRUCTIONS

[50PC3D-UE]

	RS-232C COMMAND [CMD ID DATA]			Min	CENTER (DEFAULT)(Decimal)			Max (Decimal)
	Cool	Mid	Warm		Cool	Mid	Warm	
R Gain	Jg	Ja	Jd	00	c0	c0	c0	ff
G Gain	Jh	Jb	Je	00	a8	a6	85	ff
B Gain	Ji	Jc	Jf	00	b4	9d	58	ff
R Cut					3f	40	3d	7f
G Cut					3d	3d	3d	7f
B Cut					45	46	46	7f

High Level: 216gray

[Cool]

X; 0.278±0.002 Y; 0.279±0.002
Color temperature: 11000°K±1500°K
dUV: -3dUV

[Medium]

X; 0.287±0.002 Y; 0.289±0.002
Color temperature: 9300°K±1500°K
dUV: -3dUV

[Warm]

X; 0.315±0.002 Y; 0.316±0.002
Color temperature: 6500°K±1500°K
dUV: -3dUV

7-3. Adjustment of White Balance

- Calibrate of the CA-100, then attach sensor to PDP module surface when you adjust.
- Manual adjustment is also possible by the following sequence.

- (1) Enter 'Ez - Adjust' by pressing ADJ KEY on the Service Remote Control.
- (2) Select "9. WHITE PATTERN" using CH +/- Key and HEAT RUN at least 30 minutes by pressing the ENTER Key.
- (3) Receive the Window pattern signal from Digital Pattern Generator.
(AV Input: connect the 'HDMI', Digital Pattern Generator input Pattern => Model: 217, pattern: 6, opt: 106.64.48.1.216)
- (4) After attaching sensor to center of screen, select '6. White-Balance' of 'Ez - Adjust' by pressing the ADJ KEY on the Service R/C. Then enter adjustment mode by pressing the Right KEY (▶) .

[42PX3D-UE: Z42PX3D]

- 1) Adjust the Hight Light using G Gain/R Gain(Cool).
(B Gain: 192, R-Cut/G-Cut/B-Cut: 65/64/66 Fix.)
- 2) Adjust the Hight Light using G Gain/B Gain(Medium).
(R Gain: 192, R-Cut/G-Cut/B-Cut: 63/64/65 Fix.)
- 3) Adjust the Hight Light using G Gain/B Gain(Warm).
(R Gain: 192, R-Cut/G-Cut/B-Cut: 64/64/69 Fix.)

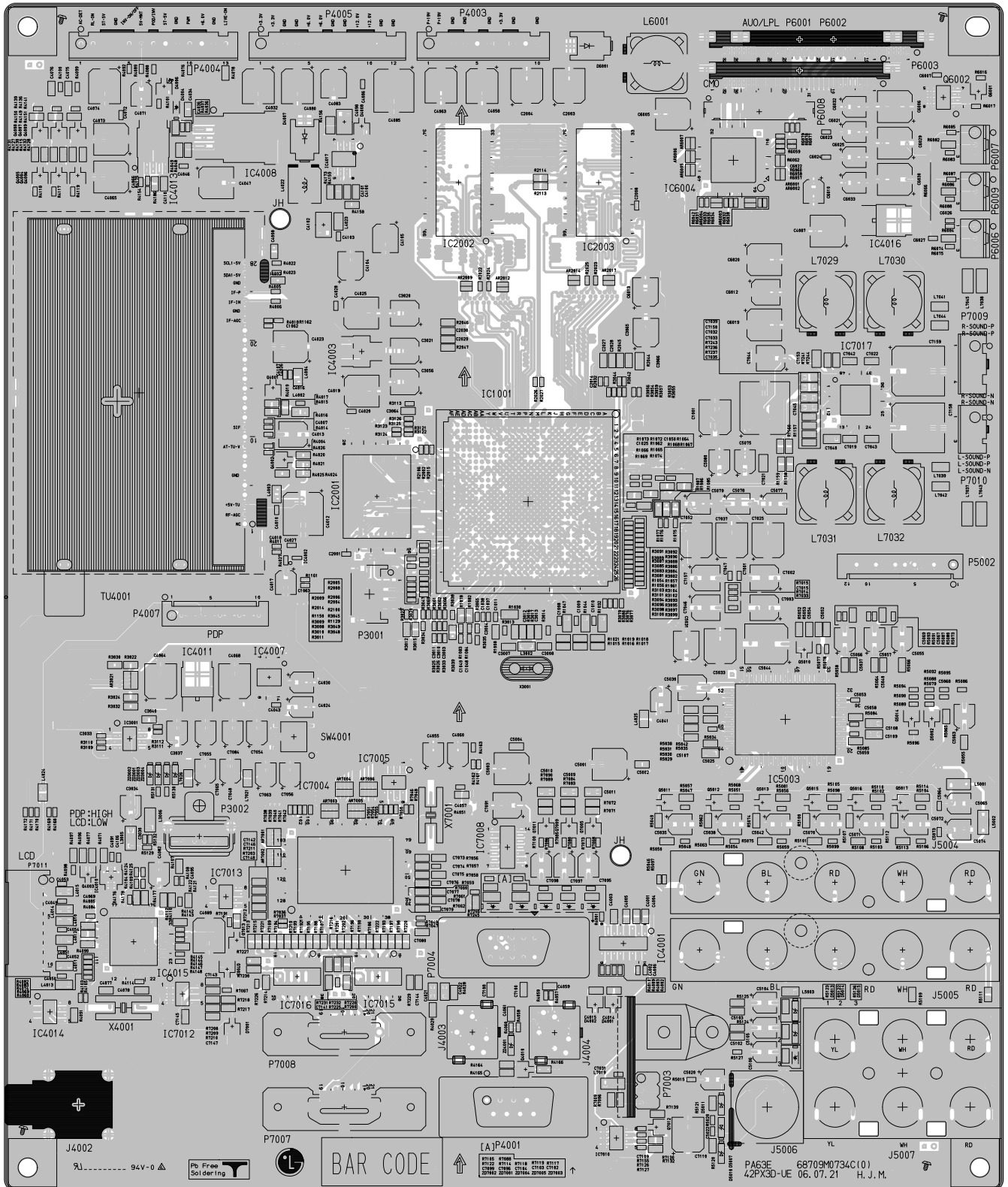
[50PC3D-UE]

- 1) Adjust the Hight Light using G Gain/B Gain(Cool).
(R Gain: 192, R-Cut/G-Cut/B-Cut: 63/61/69 Fix.)
- 2) Adjust the Hight Light using G Gain/B Gain(Medium).
(R Gain: 192, R-Cut/G-Cut/B-Cut: 64/61/70 Fix.)
- 3) Adjust the Hight Light using G Gain/B Gain(Warm).
(R Gain: 192, R-Cut/G-Cut/B-Cut: 61/61/70 Fix.)

- (6) Adjust using Volume +/- KEY.
- (7) After adjustment is complete, exit the adjustment mode by pressing the ENTER(■) KEY => ADJ KEY.

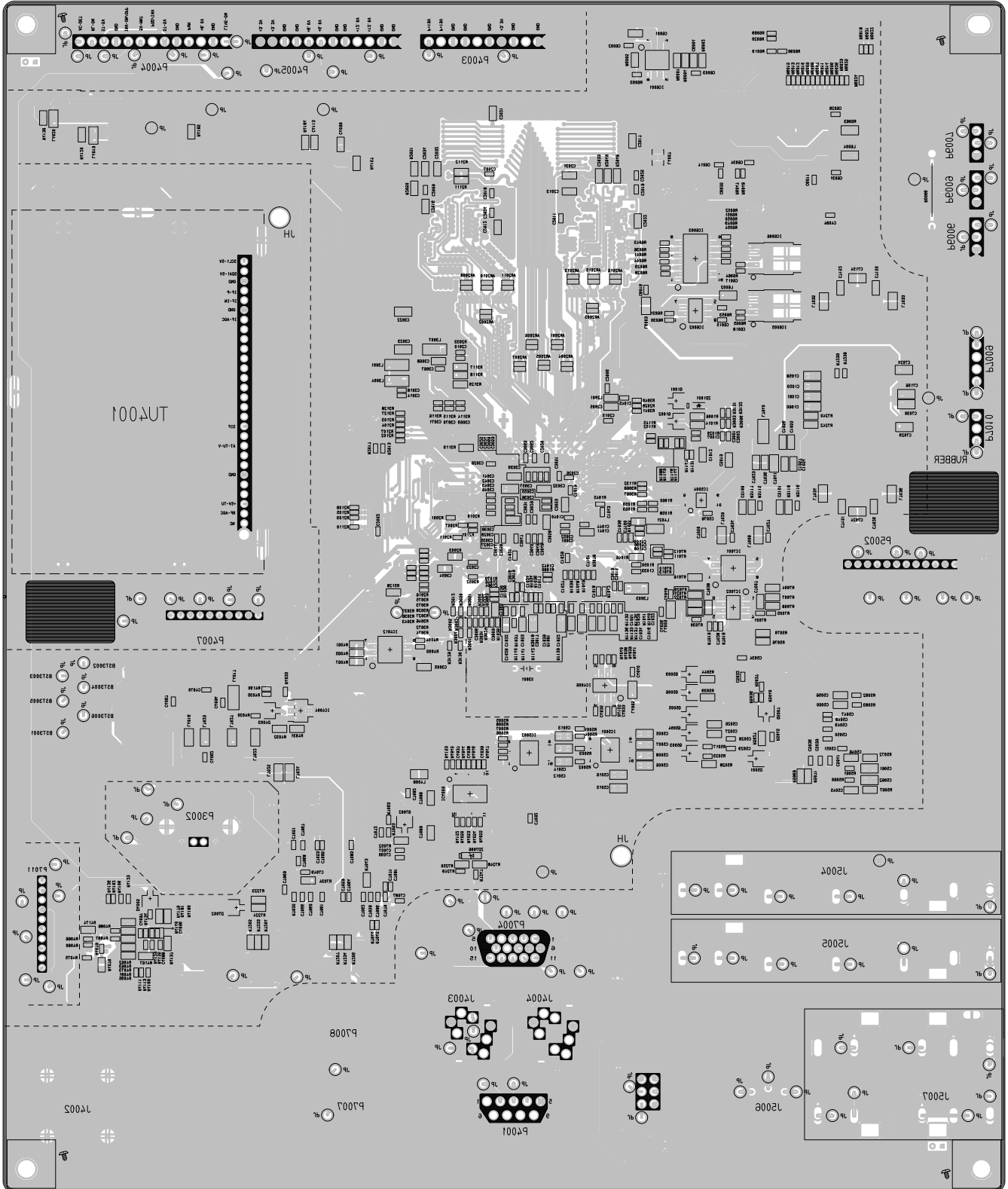
PRINTED CIRCUIT BOARDS

MAIN(TOP)



PRINTED CIRCUIT BOARDS

MAIN(BOTTOM)







EXPLODED VIEW PARTS LIST

No.	Part No.	Description
101	5900904001A	Fan Module,1.7KRPM DC 12V 250UA 3W
102	5900V06008B	Fan Module,G6015S12B2-RG 1.9KRPM DC 7V 70MA
103	4980V00B81A	Supporter,PRESS SECC T1.0 FAN EGI DN-50PY10
104	4980V01152A	Supporter,COMPLEX FAN EGI ASSY (DU-60PY10)
105	4980900389B	Supporter,PRESS EGI t0.8 NON EGI SUPP.FAN
	4980900389A	Supporter,FAN EGI CFF FOR 60INCH
120	EAB30829601	Speaker,Woofer g2060102 ND 15W 8OHM 82DB 100HZ 240 X 57 X 49 LUG
121	EAB30824301	Speaker,Tweeter D013d03k1401 ND 15W 8OHM 86DB 0HZ 88 X 38.3 X 10 LUG
200	EAJ32250001	PDP,Module-XGA PDP60X60000.ADDDB XGA 60INCH 1365X768 16/9 PDP DIVISION
	EAJ32249901	PDP,Module-XGA PDP60X60000.AKDDG XGA 60INCH 1365X768 16/9 PDP DIVISION
201	6871QCH080A	PCB Assembly,Display CTRL ASSY 60 X6 4024 6 LAYER
202	6871QYH0123A	PCB Assembly,Display YDRV ASSY 60 X6 MOLEX
203	6871QDH124A	PCB Assembly,Display YDRV ASSY 60 X6 BOTTOM MOLEX
204	6871QLH053A	PCB Assembly,Display XRLT ASSY 60 X6 TCP 4024 LVDS LEFT TOP
205	6871QLH054A	PCB Assembly,Display XRLT ASSY 60 X6 TCP 4024 LVDS LEFT BOTTOM
206	6871QRH062A	PCB Assembly,Display XRRT ASSY 60 X6 TCP 4024 LVDS RIGHT TOP
207	6871QRH063A	PCB Assembly,Display XRRT ASSY 60 X6 TCP 4024 LVSD RIGHT BOTTOM
208	6871QXH031A	PCB Assembly,Display XRCT ASSY 60 X6 TCP 4024 LVDS CENTER TOP
209	6871QXH032A	PCB Assembly,Display XRCT ASSY 60 X6 TCP 4024 LVDS CENTER BOTTOM
210	6871QYH057B	PCB Assembly,60x6 - 60 YSUS ASSY 60 X6 4LAYER CI IPM PDP DIVISION
211	6871QZH060A	PCB Assembly,Display ZSUS ASSY 60 60X6 4LAYER
240	AJJ30325104	Supporter Assembly,60PC1 SUPP.ASSY MODULE VERTICAL L(CSKD)
	AJJ30325101	Supporter Assembly,60PC1 SUPP.ASSY MODULE VERTICAL R
250	AJJ30325103	Supporter Assembly,60PC1 SUPP.ASSY MODULE VERTICAL L (CSKD)
	AJJ30325102	Supporter Assembly,60PC1 SUPP.ASSY MODULE VERTICAL L
260	4980V00E26E	Supporter,COMPLEX MODULE EGI SUPP RIGHT(TYPE A) PHANTOM ASSY
	4980V00E26A	Supporter,COMPLEX MODULE EGI SUPP. SIDE
270	4980V00E26F	Supporter,COMPLEX MODULE EGI SUPP LEFT(TYPE B) PHANTOM ASSY
	4980V00E26B	Supporter,COMPLEX MODULE EGI SUPP. SIDE. L
300	ACQ30323202	Cover Assembly,60PC1 PA63E 60 60PC1 CABINET ASSY SKD
	ACQ30323201	Cover Assembly,60PC1 PA63E 60 60PC1 CABINET ASSY
301	AJJ30324602	Supporter Assembly,60PC1 SUPP.FILTER TOP ASSY for <CSKD>
	AJJ30324601	Supporter Assembly,60PC1 SUPP.FILTER TOP ASSY
302	AJJ30324702	Supporter Assembly,60PC1 SUPP.FILTER BOTTOM ASSY for <CSKD>
	AJJ30324701	Supporter Assembly,60PC1 SUPP.FILTER BOTTOM ASSY
303	AJJ30324802	Supporter Assembly,60PC1 SUPP.FILTER ASSY SIDE R for <CSKD>
	AJJ30324801	Supporter Assembly,60PC1 SUPP.FILTER ASSY SIDE R
304	AJJ30325002	Supporter Assembly,60PC1 SUPP.FILTER ASSY SIDE L for <CSKD>
	AJJ30325001	Supporter Assembly,60PC1 SUPP.FILTER ASSY SIDE L
305	5230V00026B	Filter,CUTTING ACRYL TOP PDP 60 LG CHEMICAL GLASS FILTER
400	ACQ30321302	Cover Assembly,60PC1D-UE PA63E 60 60PC1 BACK COVER ASSY CSKD
	ACQ30321301	Cover Assembly,60PC1D-UE PA63E 60 60PC1 BACK COVER ASSY
430	AAN30325802	Base Assembly,STAND 60PC1 PA63E 60PC1 FIXED STAND ASSY for <CSKD>
	AAN30325801	Base Assembly,STAND 60PC1 PA63E 60PC1 FIXED STAND ASSY
501	AGU30325301	Plate Assembly,60PC1 PLATE TUNER ASSY
502	3301900094V	Plate Assembly,50PC3D-UE AF044C(BCM)
520	EBT32634401	Chassis Assembly,MAIN PA63E 60PC1D-UE SKD. Main Manual Insert.
	EBR30930301	PCB Assembly,MAIN1 M.I PA63E 60PC1D-UE AUSLLHX 60 inch Broadcom Model
560	EBR31829601	PCB Assembly,SUB M.I PA63E 60PC1D-UE AUSLZX 60PC1D-UE(Broadcom) Control Ksy
570	68719SMJ49A	PCB Assembly,Sub PA61A 50PC1DRA-UA HAND -
580	6709V00016A	SMPS,AC/DC 9YPSUJ003BY 380VTO380V 650W 60HZ UL/CE/TUV 60INCH PDP
581	6709V00017A	SMPS,AC/DC 9YPSUJ003BX 110VTO220V 650W 60HZ UL/CE/TUV 60INCH PDP
582	6709V00018A	SMPS,AC/DC 9YPSUJ003BW 100VTO240V,100VTO240V,100VTO240V 650W
590	31419SF081A	Chassis Assembly,SUB RF052A H2 MNT 50PM1M-ZA LINE FILTER SKD FOR UK
	6200J000055	Filter,AC Line ID-N10BESL2 0.61mH 250VAC 10A 0.15uF 1000pF UL/CSA/TUV/SEMCO HOUSING/RING BK
600	68719SMJ47A	PCB Assembly,Sub PA61A 50PC1DRA-UA HAND -
601	4811900021A	Bracket Assembly,SIDE AV 42PC3D-UD PA51D NORTH AMERICA
602	48149V0003B	Plate,PRESS SPTT T0.3 SIDE AV 50PC1R

REPLACEMENT PARTS LIST

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyester
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

RUN DATE : 2006.10.11

LOCA. NO	PART NO	DESCRIPTION
IC		
IC1001	0IPRP00702A	BCM3550KPB5G 1.2TO3.3 4A 54
IC2002	0IMMRHY057E	HY5DU561622ETP-D43 256MBIT
IC2003	0IMMRHY057E	HY5DU561622ETP-D43 256MBIT
IC3001	EAN30267601	TPS2052BDRG4 2.7TO5.5 3MSEC
IC4001	0IPRP00009A	ICL3232CBNZ 3VTO5.5V - SSOP
IC4002	0IPRP00538A	FSA1156P6X-NL 1.65TO5.5V 40
IC4003	0IPMGA0010A	AZ1117H-3.3 4.75TO10V 3.3V
IC4004	0IKE702900G	KIA7029AF -0.3TO15V 2.9V 50
IC4006	0IPRPF015B	FMS6400CS1X,LF 4.75VTO5.25V
IC4007	0ISTLPH026A	74LVC14APW 1.2TO3.6V 0.01mA
IC4008	0IPMGS1006B	SC156615M-2.5TRT 2.2TO5.5V
IC4010	0IKE702900G	KIA7029AF -0.3TO15V 2.9V 50
IC4011	0IMCRRH001A	BA033FP-E2 4.3TO25V 3.3V 1W
IC4012	0IMCRAL021A	AT24C512W-10SU-2.7 512KBIT
IC4013	0IMCRSH001A	PQ05DZ1U 6TO16V 5V 8W D2PAK
IC4014	0IMCRAL006A	AT24C16AN-10SU-2.7 16KBIT 2
IC4015	0IMCR02227A	MTV416GMF 3TO3.6V 24mA 25MH
IC4016	0IMCRFA010A	KA7809R 11.5TO24V 9V 150W D
IC4017	EAN31513601	SC4519STRT 2.6V to 16V 0.8V
IC5001	EAN30744301	MM1732XVBE 4.5TO9.5 50NSEC
IC5002	EAN30744401	MM1731XVBE 4.0TO9.5 50NSEC
IC5003	0ISO206900A	CXA2069Q 8.5TO9.5V - - 1300
IC5004	0IPRPCI016A	CS4344-CZZR 4.75TO5.25V 3TO
IC6003	0IMI623200B	M62320FP 4.5TO5.5V 0.05mA 4
IC6004	0IMCRTH002A	THC63LVD103 3.0TO3.6 1W TQF
IC6005	0IPMGKE032A	KIA78R09F 10TO25V 9V 8W DPA
IC6006	0IPMGKE032A	KIA78R09F 10TO25V 9V 8W DPA
IC7001	0ICB533100A	CS5331A-KSR 4.75TO5.25V 48K
IC7002	0ISTL00029A	MC33078DR2G +-5TO+-18V 2mV
IC7004	0IPRP00696A	MST3361M-LF-110 3.3V_2.5V -
IC7005	0IMMRCS012B	CAT24WC08W-T(MST3000) 8KBIT
IC7008	0IPH740800H	74F08D 4.5TO5.5V 12.9mA AND
IC7010	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 25
IC7012	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 25
IC7013	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 25
IC7015	0IPRP00623A	CM2021-00TR 1.0VTO5.5V,0.0V
IC7016	0IPRP00623A	CM2021-00TR 1.0VTO5.5V,0.0V
IC7017	0IPRP00700A	TPA3100D2PHPR 10TO26V . . 2
TRANSISTOR		
Q1001	0TRIY80001A	2SC3052 NPN 6V 50V
Q1002	0TRIY80001A	2SC3052 NPN 6V 50V
Q101	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q102	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q4001	0TRIH80002A	2SA1530A-T112-1R PNP
Q4003	0TRIY80001A	2SC3052 NPN 6V 50V

LOCA. NO	PART NO	DESCRIPTION
Q4004	0TRIY80001A	2SC3052 NPN 6V 50V
Q4005	0TRIY80001A	2SC3052 NPN 6V 50V
Q4006	0TRIY80001A	2SC3052 NPN 6V 50V
Q4007	0TRIY80001A	2SC3052 NPN 6V 50V
Q4008	0TRIY80001A	2SC3052 NPN 6V 50V
Q4009	0TRIY80001A	2SC3052 NPN 6V 50V
Q4010	0TRIY80001A	2SC3052 NPN 6V 50V
Q5004	0TRIH80002A	2SA1530A-T112-1R
Q5005	0TRIH80002A	2SA1530A-T112-1R
Q5006	0TRIY80001A	2SC3052 NPN 6V 50V
Q5007	0TRIY80001A	2SC3052 NPN 6V 50V
Q5009	0TRIY80001A	2SC3052 NPN 6V 50V
Q5010	0TRIY80001A	2SC3052 NPN 6V 50V
Q5011	0TRIY80001A	2SC3052 NPN 6V 50V
Q5012	0TRIY80001A	2SC3052 NPN 6V 50V
Q5013	0TRIY80001A	2SC3052 NPN 6V 50V
Q5014	0TRIY80001A	2SC3052 NPN 6V 50V
Q5015	0TRIY80001A	2SC3052 NPN 6V 50V
Q5016	0TRIY80001A	2SC3052 NPN 6V 50V
Q5017	0TRIY80001A	2SC3052 NPN 6V 50V
Q7003	0TR102009AJ	KRC102S NPN 30V 0V 50V 100MA 500NA
Q7005	0TRIY80001A	2SC3052 NPN 6V 50V
Q7009	0TRIY80001A	2SC3052 NPN 6V 50V
Q7011	0TRIY80001A	2SC3052 NPN 6V 50V
Q7012	0TR102009AJ	KRC102S NPN 30V 0V 50V 100MA 500NA
Q7013	0TR102009AJ	KRC102S NPN 30V 0V 50V 100MA 500NA
DIODE		
D4001	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.
D4002	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.
D4003	0DSIH00028A	MC2838-T112-1 1.2V 75V 300MA 4A
D4005	0DSIH00028A	MC2838-T112-1 1.2V 75V 300MA 4A
D4006	0DL233309AC	LED,Chip SAM2333
D4007	0DR340009AA	MBRS340 525MV 40V 4A - - -
D4008	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4N
D5001	0DSIH00028A	MC2838-T112-1 1.2V 75V 300MA 4A
D5002	0DSIH00028A	MC2838-T112-1 1.2V 75V 300MA 4A
D5015	0DZRM00178A	Zener,UDZS5.1B 5.1V 4.98TO5.2V 80
D7001	0DSIH00028A	MC2838-T112-1 1.2V 75V 300MA 4A
D7002	0DSIH00028A	MC2838-T112-1 1.2V 75V 300MA 4A
LD101	0DLAU0410AA	LED,DIP SAW5670
ZD1001	0DZDI00078A	Zener,BZT52C3V3S-F 3.3V 3.1TO3.5V
CAPACITOR		
C100	0CH5101K416	C2012C0G1H101JT 100pF 5% 50
C1001	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
C1007	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2
C1008	0CK104BF56A	C1005X7R104KET 100nF 10% 16

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C1009	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C1061	0CH2122K516	0805B122K500CT 1.2nF 10% 50
C101	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50	C1062	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C101	0CH5101K416	C2012C0G1H101JT 100pF 5% 50	C1063	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C101	0CK104CK56A	0603B104K500CT 100nF 10% 50	C1064	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2
C1010	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C1065	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO
C1011	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2001	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C1012	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V	C2002	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C1016	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO	C2003	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
C1017	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2004	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
C1018	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2005	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO
C1019	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2006	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C102	0CC330CK41A	C1608C0G1H330JT 33pF 5% 50V	C2007	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C102	0CK104CK56A	0603B104K500CT 100nF 10% 50	C2008	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C1020	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2009	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2
C1021	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2010	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C1022	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2011	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2
C1024	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2012	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25
C1025	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C2013	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25
C1027	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2014	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C1028	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO	C2015	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C1029	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2016	0CK272CK46A	0603B272J500CT 2.7nF 5% 50V
C103	0CE4763F618	ESF476M016T1A5E05G 47uF 20%	C2017	0CK272CK46A	0603B272J500CT 2.7nF 5% 50V
C1030	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2018	0CK102BK56A	0402B102K500CT 1nF 10% 50V
C1032	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2019	0CK102BK56A	0402B102K500CT 1nF 10% 50V
C1033	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2020	0CK102BK56A	0402B102K500CT 1nF 10% 50V
C1034	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO	C2021	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50
C1036	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C2022	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50
C1037	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C2023	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2
C1038	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C2024	0CK102BK56A	0402B102K500CT 1nF 10% 50V
C1039	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2025	0CK102BK56A	0402B102K500CT 1nF 10% 50V
C104	0CE4763F618	ESF476M016T1A5E05G 47uF 20%	C2026	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C1040	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2027	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V
C1041	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO	C2028	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50
C1042	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2029	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V
C1043	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2030	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50
C1044	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2031	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V
C1045	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2032	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V
C1046	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C2033	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50
C1047	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO	C2034	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50
C105	0CE4763F618	ESF476M016T1A5E05G 47uF 20%	C3005	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO
C1050	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C3007	0CC080CK11A	C1608C0G1H080DT 8pF 0.5PF 5
C1051	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C3008	0CC080CK11A	C1608C0G1H080DT 8pF 0.5PF 5
C1052	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C3012	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V
C1053	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C3013	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V
C1054	0CK103CK56A	0603B103K500CT 10nF 10% 50V	C3014	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C1055	0CK103CK56A	0603B103K500CT 10nF 10% 50V	C3015	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C1056	0CK103CK56A	0603B103K500CT 10nF 10% 50V	C3016	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C1057	0CK103CK56A	0603B103K500CT 10nF 10% 50V	C3017	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C1058	0CH2122K516	0805B122K500CT 1.2nF 10% 50	C3018	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2
C1059	0CH2122K516	0805B122K500CT 1.2nF 10% 50	C3019	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2
C1060	0CH2122K516	0805B122K500CT 1.2nF 10% 50	C3020	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C3021	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10	C4004	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25
C3022	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.	C4005	0CK334CF56A	C1608X7R1C334KT 330nF 10% 1
C3023	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.	C4006	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3024	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C4007	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2
C3025	0CK102BK56A	0402B102K500CT 1nF 10% 50V	C4008	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V
C3026	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C4010	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3027	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO	C4011	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V
C3028	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C4012	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20%
C3029	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C4012	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10
C3030	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C4014	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50
C3031	0CK102BK56A	0402B102K500CT 1nF 10% 50V	C4015	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50
C3032	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO	C4016	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2
C3033	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C4017	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C3034	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16	C4018	0CK102BK56A	0402B102K500CT 1nF 10% 50V
C3035	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C4019	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16
C3036	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C4020	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3037	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16	C4021	0CH2474F566	0805B474K160CT 470nF 10% 16
C3038	0CK102BK56A	0402B102K500CT 1nF 10% 50V	C4022	0CH2474F566	0805B474K160CT 470nF 10% 16
C3039	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO	C4023	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C3040	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V	C4023	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
C3041	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C4024	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C3042	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C4025	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16
C3043	0CK102BK56A	0402B102K500CT 1nF 10% 50V	C4026	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3044	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C4027	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3045	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C4028	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3046	0CK102BK56A	0402B102K500CT 1nF 10% 50V	C4030	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C3047	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C4032	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
C3048	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C4033	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3049	0CK102BK56A	0402B102K500CT 1nF 10% 50V	C4034	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V
C3050	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C4035	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3051	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C4036	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V
C3052	0CK102BK56A	0402B102K500CT 1nF 10% 50V	C4037	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3053	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO	C4038	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3054	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO	C4039	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3055	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C4040	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3056	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10	C4041	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16
C3057	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.	C4043	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3058	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO	C4043	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3059	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C4046	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3060	0CK102BK56A	0402B102K500CT 1nF 10% 50V	C4047	EAE30840201	4SVPC330M 330uF 20% 4V 2.32
C3061	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C4047	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
C3062	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C4048	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3063	0CK102BK56A	0402B102K500CT 1nF 10% 50V	C4049	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3064	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V	C4050	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3065	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10	C4051	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3066	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.	C4052	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3067	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C4053	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C3068	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO	C4054	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4001	0CK334CF56A	C1608X7R1C334KT 330nF 10% 1	C4055	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C4002	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C4056	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4003	0CK334CF56A	C1608X7R1C334KT 330nF 10% 1	C4057	0CK104BF56A	C1005X7R104KET 100nF 10% 16

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C4058	EAE30840201	4SVPC330M 330uF 20% 4V 2.32	C5008	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C4060	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16	C5009	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C4062	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5010	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C4063	EAE30840401	25SVPD10M 10uF 20% 25V 1.5A	C5011	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C4064	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16	C5012	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C4065	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16	C5013	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C4066	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5014	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C4067	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5015	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C4068	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16	C5016	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C4070	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5019	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C4071	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V	C5020	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20%
C4072	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5022	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4073	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16	C5025	0CH2474F566	0805B474K160CT 470nF 10% 16
C4074	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%	C5026	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50
C4077	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V	C5027	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50
C4078	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V	C5028	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4080	EAE30840201	4SVPC330M 330uF 20% 4V 2.32	C5029	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4082	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16	C5030	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
C4083	EAE30840301	10SVPC68M 68uF 20% 10V 1.97	C5031	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16
C4084	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5032	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4085	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20%	C5033	0CE476WH6DC	MVK8.0TP25VC47M 47uF 20% 25
C4086	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5034	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2
C4087	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%	C5035	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16
C4088	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5036	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4089	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%	C5037	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50
C4090	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5038	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16
C4091	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5039	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4094	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5040	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50
C4095	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5041	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4096	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5042	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16
C4097	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5044	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20%
C4098	0CN475FH67A	TMK325BJ475MN-T 4.7uF 20% 2	C5045	0CK222CK56A	0603B222K500CT 2.2nF 10% 50
C4099	0CK224CF56A	0603B224K160CT 220nF 10% 16	C5046	0CK222CK56A	0603B222K500CT 2.2nF 10% 50
C4100	0CK153CK51A	0603B153K500CT 15nF 10% 50V	C5047	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4101	0CC561CK41A	C1608C0G1H561JT 560pF 5% 50	C5048	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4102	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10	C5049	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4103	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5050	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4104	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10	C5051	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4105	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10	C5052	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50
C4106	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C5053	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C4107	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C5054	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50
C4108	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C5055	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20%
C4109	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO	C5056	0CK222CK56A	0603B222K500CT 2.2nF 10% 50
C4113	0CK104CK56A	0603B104K500CT 100nF 10% 50	C5057	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V
C5001	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16	C5058	0CK222CK56A	0603B222K500CT 2.2nF 10% 50
C5002	0CK103CK56A	0603B103K500CT 10nF 10% 50V	C5059	0CK222CK56A	0603B222K500CT 2.2nF 10% 50
C5003	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16	C5060	0CK222CK56A	0603B222K500CT 2.2nF 10% 50
C5004	0CK103CK56A	0603B103K500CT 10nF 10% 50V	C5061	0CH2474F566	0805B474K160CT 470nF 10% 16
C5005	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V	C5062	0CH2474F566	0805B474K160CT 470nF 10% 16
C5006	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V	C5063	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20%
C5007	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V	C5064	0CK104BF56A	C1005X7R104KET 100nF 10% 16

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C5065	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16	C7007	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V
C5066	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V	C7015	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C5068	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7019	0CK224CF56A	0603B224K160CT 220nF 10% 16
C5070	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16	C7020	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C5071	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16	C7021	0CK225DK94A	CL21F225ZBFNNNE 2.2uF -20TO
C5072	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16	C7022	0CK224CF56A	0603B224K160CT 220nF 10% 16
C5073	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7023	0CK104CK56A	0603B104K500CT 100nF 10% 50
C5074	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16	C7024	0CK474DK56A	UMK212BJ474KG-T 470nF 10% 5
C5075	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16	C7025	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
C5076	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7026	0CK104CK56A	0603B104K500CT 100nF 10% 50
C5077	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20%	C7027	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C5078	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20%	C7028	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C5079	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16	C7029	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C5080	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20%	C7030	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C5102	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50	C7031	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C5103	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50	C7032	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C5104	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V	C7033	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C5105	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V	C7034	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C5106	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20%	C7035	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C5107	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7036	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C5108	0CH2474F566	0805B474K160CT 470nF 10% 16	C7037	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20%
C5109	0CH2474F566	0805B474K160CT 470nF 10% 16	C7038	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V
C6010	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16	C7039	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C6011	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7040	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C6012	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16	C7041	0CK225DK94A	CL21F225ZBFNNNE 2.2uF -20TO
C6013	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16	C7042	0CK224CF56A	0603B224K160CT 220nF 10% 16
C6014	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7043	0CK224CF56A	0603B224K160CT 220nF 10% 16
C6015	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7044	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25
C6016	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7045	0CE107WK6DC	MVK10TP50VC100M 100uF 20% 5
C6017	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7046	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16
C6018	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7047	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2
C6019	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16	C7048	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C6020	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16	C7049	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C6021	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16	C7050	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C6022	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7051	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C6023	0CK102BK56A	0402B102K500CT 1nF 10% 50V	C7052	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16
C6024	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7053	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C6025	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16	C7054	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C6026	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7055	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C6027	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7056	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C6028	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7057	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C6029	0CE476WH6DC	MVK8.0TP25VC47M 47uF 20% 25	C7058	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C6030	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16	C7059	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C6031	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7060	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C6032	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16	C7061	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C6033	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16	C7062	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C6034	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7063	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C6035	0CK104BF56A	C1005X7R104KET 100nF 10% 16	C7064	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7001	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 2	C7065	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C7002	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16	C7066	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7003	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16	C7067	0CK104BF56A	C1005X7R104KET 100nF 10% 16

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C7068	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7069	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7070	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7071	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7072	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7073	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25
C7074	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25
C7075	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25
C7076	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25
C7077	0CK153CK56A	15nF 10% 50V
C7078	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25
C7079	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25
C7080	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V
C7081	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7082	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7083	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7084	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C7085	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7086	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7087	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7088	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V
C7089	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V
C7090	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7091	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16
C7092	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7095	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C7096	0CH5220K416	0805N220J500LT 22pF 5% 50V
C7097	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C7098	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16
C7099	0CH5220K416	0805N220J500LT 22pF 5% 50V
C7100	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V
C7108	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V
C7109	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7110	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16
C7141	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C7142	0CK104CK56A	0603B104K500CT 100nF 10% 50
C7143	0CK104CK56A	0603B104K500CT 100nF 10% 50
C7144	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C7150	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C7151	0CK104CK56A	0603B104K500CT 100nF 10% 50
C7152	0CK104CK56A	0603B104K500CT 100nF 10% 50
C7153	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C7154	0CK474DK56A	UMK212BJ474KG-T 470nF 10% 5
C7155	0CK104CK56A	0603B104K500CT 100nF 10% 50
C7156	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C7157	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16
C7158	0CE227WJ6DC	MVK10TP35VC220M 220uF 20% 3

LOCA. NO	PART NO	DESCRIPTION
C7159	0CE227WJ6DC	MVK10TP35VC220M 220uF 20% 3
C7160	0CK104BF56A	C1005X7R104KET 100nF 10% 16
C7161	0CK104BF56A	C1005X7R104KET 100nF 10% 16
CONNECTOR & WAFER		
C1	6631900010Q	Harness,Single 2.00MM 12P
C10	6631V39002Q	Harness,Single 150mM - 7P
C11	6631V39025G	Harness,Single 3.96MM 4P
C12	6631V39026D	Harness,Single 3.96MM 4P
C13	EAD32253001	Harness,Single 350MM 2.50MM 7P-13P
C14	EAD32255201	Harness,Single 2.50MM 10P
C15	EAD32255601	Harness,Single 2.50MM 12P
C2	6631900050D	Harness,Single 2.00MM 10P
C3	6631900097C	Harness,Single 2.50MM 3P
C4	6631900098C	Harness,Single 2.50MM 4P
C5	6631900100C	Harness,Single 2.50MM 4P
C6	6631T20034S	Harness,Single 2.00MM 4P
C7	6631V25032E	Harness,Single 2.50MM 3P
C8	6631V39002C	Harness,Single 3.96MM 4P
C9	6631V39002P	Harness,Single 3.96MM 9P
P100	6630V90142A	Conector,Wafer 6P 2.54MM
P100	6602T20009C	Conector,Wafer SMAW200-04P
P100	6602T20009J	Conector,Wafer SMAW200-10P
P100	6602T20009L	Conector,Wafer SMAW200-12P
P101	6602T20009C	Conector,Wafer SMAW200-04P
P3002	EAG31022001	Conector,USB UB01123-4HHS-4F
P4001	6630G70017A	Conector,DSUB 9P 2.77MM
P4003	6602T25008J	Conector,Wafer SMW250-10P
P4004	6602T25008M	Conector,Wafer SMW250-13P
P4005	6602T25008L	Conector,Wafer SMW250-12P
P4007	6602T20008J	Conector,Wafer SMW200-10P
P5002	6602T20008L	Conector,Wafer SMW200-12P
P6007	366-932B	Conector,Wafer 3P 2.50MM
P6008	6602T12007D	Conector,Wafer GT121-31P-TD
P6009	366-932B	Conector,Wafer 3P 2.50MM
P7004	6630G70016A	Conector,DSUB 15P 2.29MM
P7009	6602T25008C	Conector,Wafer SMW250-04P
P7010	6602T25008B	Conector,Wafer SMW250-03P
INDUCTOR		
L101	0LC1032101A	Inductor,FI-C3216-103KJT 10UH 10% -
L3002	0LC0233002A	Inductor,FI-B2012-332KJT 3.3UH 10%
L4002	0LCML00020B	Inductor,MLI-201209-6R8K 6.8UH 10%
L4019	0LC2000005K	Inductor,FI-D2012-223KJT 22UH 10% -
L4020	0LC2000005K	Inductor,FI-D2012-223KJT 22UH 10% -
L4022	6140TBZ047B	Inductor,RLF7030T-3R3M4R1 3.3UH 20%
L7008	0LCML00020B	Inductor,MLI-201209-6R8K 6.8UH 10%
L7020	0LCML00020B	Inductor,MLI-201209-6R8K 6.8UH 10%
L7029	6140VR0008A	Inductor,SLF12575T-330M3R2 33UH 20%
L7030	6140VR0008A	Inductor,SLF12575T-330M3R2 33UH 20%
L7031	6140VR0008A	Inductor,SLF12575T-330M3R2 33UH 20%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
L7032	6140VR0008A	Inductor,SLF12575T-330M3R2 33UH 20%	R1014	0RJ0511D677	MCR03EZPJ5R1 5.1OHM 5% 1/10W 16
JACK			R1015	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160
J100	6612J10033A	Jack,Complex PMJ016-13 13P	R1016	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160
J4002	6612J10024A	Jack,Complex KCN-BT-0-0056 4P	R1017	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160
J4003	6612F00099A	Jack,Phone PEJ024-01 1P 4P	R1018	0RJ0562D477	MCR03EZPF560 56OHM 1% 1/10W 160
J4004	6612F00099A	Jack,Phone PEJ024-01 1P 4P	R1019	0RJ0562D477	MCR03EZPF560 56OHM 1% 1/10W 160
J5004	6612J10031A	Jack,RCA PPJ209-02	R102	0RJ1200D677	MCR03EZPJ121 120OHM 5% 1/10W 16
J5005	6612J10031A	Jack,RCA PPJ209-02	R102	0RJ2702D677	MCR03EZPJ273 27KOHM 5% 1/10W 16
J5006	6612F00024C	Jack,DIN PSJ014-01 4P	R1020	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
J5007	6612J10006K	Jack,RCA PPJ150-08	R1021	0RJ0562D477	MCR03EZPF560 56OHM 1% 1/10W 160
JK100	6612BBBHN4D	Jack,Fiber Optic TOTX177 3P	R103	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
P7007	6612B00015B	Jack,DIN DC1R019WDH 21P	R103	0RJ9100D677	MCR03EZPJ911 910OHM 5% 1/10W 16
P7008	6612B00015B	Jack,DIN DC1R019WDH 21P	R1030	0RH1504D622	MCR10EZHJ155 1.5MOHM 5% 1/8W 20
RESISTOR			R1032	0RH1504D622	MCR10EZHJ155 1.5MOHM 5% 1/8W 20
AR2001	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1034	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR2002	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1035	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR2003	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1036	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR2004	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1037	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR2005	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1038	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR2006	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1039	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR2007	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R104	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 1
AR2008	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R104	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
AR2009	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1040	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR2010	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1041	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR2011	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1042	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR2012	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1044	0RH1504D622	MCR10EZHJ155 1.5MOHM 5% 1/8W 20
AR2013	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1045	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR2014	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1046	0RJ4990D477	MCR03EZPF4990 499OHM 1% 1/10W 1
AR2015	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1047	0RH1504D622	MCR10EZHJ155 1.5MOHM 5% 1/8W 20
AR2016	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1048	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR2017	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1049	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR3021	0RJ1001C687	RCA86TRJ1K00 1KOHM 5% 1/16W 4 S	R105	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
AR6001	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R105	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
AR6002	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R105	0RJ8201D677	MCR03EZPJ822 8.2KOHM 5% 1/10W 1
AR6003	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1050	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR6004	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1051	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR6005	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1054	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
AR6006	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1056	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
AR6007	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W	R1057	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
AR7001	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 S	R1058	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR7002	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 S	R1059	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
AR7003	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 S	R106	0RH4700D622	MCR10EZHJ471 470OHM 5% 1/8W 201
AR7004	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 S	R106	0RJ2702D677	MCR03EZPJ273 27KOHM 5% 1/10W 16
AR7005	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 S	R1060	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
AR7006	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 S	R1061	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R1006	0RJ2000D477	MCR03EZPF201 200OHM 1% 1/10W 16	R1062	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1008	0RJ0102D677	MCR03EZPJ100 10OHM 5% 1/10W 160	R1063	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R101	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608	R1064	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R101	0RJ8201D677	MCR03EZPJ822 8.2KOHM 5% 1/10W 1	R1065	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
			R1066	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
			R1067	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
R1068	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16	R2023	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R107	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 1	R2024	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R107	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2012	R2025	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R1073	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2026	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R1074	0RJ5600D677	MCR03EZPJ561 560OHM 5% 1/10W 16	R2027	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R1075	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 100	R2028	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R1076	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 100	R2032	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1077	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 100	R2033	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1079	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2044	0RJ4991D477	MCR03EZPF4991 4.99KOHM 1% 1/10W
R108	0RH4700D622	MCR10EZJ471 470OHM 5% 1/8W 201	R2045	0RJ4991D477	MCR03EZPF4991 4.99KOHM 1% 1/10W
R108	0RJ9100D677	MCR03EZPJ911 910OHM 5% 1/10W 16	R2046	0RJ4991D477	MCR03EZPF4991 4.99KOHM 1% 1/10W
R1080	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2047	0RJ4991D477	MCR03EZPF4991 4.99KOHM 1% 1/10W
R1081	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2048	0RJ4991D477	MCR03EZPF4991 4.99KOHM 1% 1/10W
R1083	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2049	0RJ4991D477	MCR03EZPF4991 4.99KOHM 1% 1/10W
R1083	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R2050	0RJ4991D477	MCR03EZPF4991 4.99KOHM 1% 1/10W
R1084	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2051	0RJ4991D477	MCR03EZPF4991 4.99KOHM 1% 1/10W
R1084	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R2102	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1085	0RJ0271D677	MCR03EZPJ272 2.7OHM 5% 1/10W 16	R2103	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1086	0RJ0271D677	MCR03EZPJ272 2.7OHM 5% 1/10W 16	R2104	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1087	0RJ0271D677	MCR03EZPJ272 2.7OHM 5% 1/10W 16	R2105	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1088	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1	R2106	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R109	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2012	R2107	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R110	0RH0000D622	MCR10EZJ000 0OHM 5% 1/8W 2012	R2108	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1129	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1	R2109	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1131	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1	R2110	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1132	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 100	R2111	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1133	0RH1504D622	MCR10EZJ155 1.5MOHM 5% 1/8W 20	R2112	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1134	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2113	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1135	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2114	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1136	0RJ0392D677	MCR03EZPJ390 390OHM 5% 1/10W 160	R3001	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1
R1137	0RJ0392D677	MCR03EZPJ390 390OHM 5% 1/10W 160	R3003	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1
R1139	0RH1504D622	MCR10EZJ155 1.5MOHM 5% 1/8W 20	R3005	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1
R1140	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3006	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1
R1141	0RJ0392D677	MCR03EZPJ390 390OHM 5% 1/10W 160	R3009	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1
R1142	0RH1504D622	MCR10EZJ155 1.5MOHM 5% 1/8W 20	R3011	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1
R1144	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1	R3012	0RJ1501D477	MCR03EZPF152 1.5KOHM 1% 1/10W 1
R1145	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1	R3013	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R1157	0RJ3601D677	MCR03EZPJ362 3.6KOHM 5% 1/10W 1	R3014	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R1158	0RJ3601D677	MCR03EZPJ362 3.6KOHM 5% 1/10W 1	R3015	0RJ1501D477	MCR03EZPF152 1.5KOHM 1% 1/10W 1
R1159	0RJ3601D677	MCR03EZPJ362 3.6KOHM 5% 1/10W 1	R3016	0RJ3000D677	MCR03EZPJ301 300OHM 5% 1/10W 16
R1160	0RJ3601D677	MCR03EZPJ362 3.6KOHM 5% 1/10W 1	R3017	0RJ3000D677	MCR03EZPJ301 300OHM 5% 1/10W 16
R1161	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R3018	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1162	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R3019	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R2002	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3020	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R2003	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 1	R3021	0RJ1001C687	RCA86TRJ1K00 1KOHM 5% 1/16W 4 S
R2012	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3023	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R2013	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R3025	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R2015	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3026	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R2016	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3027	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R2017	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R3028	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R2022	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R3029	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
R3030	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 160	R3093	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3031	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R3094	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3032	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608	R3095	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3033	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1	R3096	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3035	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1	R3097	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3036	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1	R3098	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3037	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1	R3099	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3038	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3100	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3040	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3101	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3041	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3102	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3042	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R3103	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3043	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1	R3104	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3044	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R3109	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R3047	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3111	0RJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1
R3048	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R3112	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R3049	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R3113	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10
R3050	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R3114	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3051	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R3115	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3052	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R3116	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3057	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R3121	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R3059	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R3122	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R3060	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3123	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R3061	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3124	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R3062	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3125	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R3063	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3126	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R3064	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3127	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R3065	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3128	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R3066	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3130	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3067	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R3131	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3068	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4001	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R3069	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4002	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3072	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4003	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3073	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4004	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3074	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4005	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R3075	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4005	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
R4031	0RJ3300D677	MCR03EZPJ331 330OHM 5% 1/10W 16	R4094	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R4032	0RJ6800D677	MCR03EZPJ681 680OHM 5% 1/10W 16	R4096	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16
R4033	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R4098	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4039	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4099	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R4040	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4100	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R4041	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4101	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R4044	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 100	R4102	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4045	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R4103	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R4046	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4105	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R4047	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4106	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4048	0RJ4300D677	MCR03EZPJ431 430OHM 5% 1/10W 16	R4108	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R4049	0RJ3650D477	MCR03EZPF3650 365OHM 1% 1/10W 1	R4109	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R4050	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4110	0RJ3301D677	MCR03EZPJ332 3.3KOHM 5% 1/10W 1
R4051	0RJ3301D677	MCR03EZPJ332 3.3KOHM 5% 1/10W 1	R4111	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4053	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R4112	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1
R4054	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R4113	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4055	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R4114	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4057	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4115	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 1
R4058	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4123	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4059	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4123	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 1
R4060	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4124	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4061	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16	R4125	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4062	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16	R4126	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4063	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16	R4127	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 1
R4065	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16	R4128	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 1
R4066	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R4129	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4067	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16	R4130	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
R4068	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R4131	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
R4069	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R4132	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
R4070	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608	R4134	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4071	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16	R4135	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4073	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 16	R4136	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4073	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608	R4137	0RJ6802D677	MCR03EZPJ683 68KOHM 5% 1/10W 16
R4074	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R4139	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4075	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R4140	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4076	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R4141	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4077	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16	R4143	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4079	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R4144	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R4080	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R4145	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R4082	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R4146	0RJ3302D677	MCR03EZPJ333 33KOHM 5% 1/10W 16
R4083	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R4147	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R4084	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 1	R4148	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4085	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 16	R4149	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
R4086	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R4150	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
R4087	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R4151	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
R4088	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4152	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R4089	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4153	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R4090	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 16	R4155	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R4091	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16	R4156	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
R4092	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4158	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1
R4093	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R4159	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
R4160	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012	R5058	0RJ5601D677	MCR03EZIPJ562 5.6KOHM 5% 1/10W 1
R4161	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5059	0RJ0822C678	MCR01MZIPJ820 82OHM 5% 1/16W 100
R4162	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5060	0RJ1001C678	MCR01MZIPJ102 1KOHM 5% 1/16W 100
R4163	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5061	0RJ1001C678	MCR01MZIPJ102 1KOHM 5% 1/16W 100
R4164	0RJ1003D677	MCR03EZIPJ104 100KOHM 5% 1/10W 1	R5062	0RJ1502D677	MCR03EZIPJ153 15KOHM 5% 1/10W 16
R4165	0RJ1003D677	MCR03EZIPJ104 100KOHM 5% 1/10W 1	R5063	0RJ6801D677	MCR03EZIPJ682 6.8KOHM 5% 1/10W 1
R4166	0RJ1002D677	MCR03EZIPJ103 10KOHM 5% 1/10W 16	R5064	0RJ5601D677	MCR03EZIPJ562 5.6KOHM 5% 1/10W 1
R4168	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5065	0RJ2200D677	MCR03EZIPJ221 220OHM 5% 1/10W 16
R4169	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5066	0RJ2200D677	MCR03EZIPJ221 220OHM 5% 1/10W 16
R4170	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5067	0RJ4703D677	MCR03EZIPJ474 470KOHM 5% 1/10W 1
R4171	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5068	0RJ2201D677	MCR03EZIPJ222 2.2KOHM 5% 1/10W 1
R4172	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5069	0RJ1003D677	MCR03EZIPJ104 100KOHM 5% 1/10W 1
R4174	0RJ1001D477	MCR03EZIPF102 1KOHM 1% 1/10W 160	R5070	0RJ4703D677	MCR03EZIPJ474 470KOHM 5% 1/10W 1
R4184	0RJ1001D477	MCR03EZIPF102 1KOHM 1% 1/10W 160	R5071	0RJ4702D677	MCR03EZIPJ473 47KOHM 5% 1/10W 16
R4185	0RJ1001D477	MCR03EZIPF102 1KOHM 1% 1/10W 160	R5072	0RJ4703D677	MCR03EZIPJ474 470KOHM 5% 1/10W 1
R4186	0RJ1001D477	MCR03EZIPF102 1KOHM 1% 1/10W 160	R5073	0RJ0752C678	MCR01MZIPJ750 75OHM 5% 1/16W 100
R4189	0RJ0222C678	MCR01MZIPJ220 220OHM 5% 1/16W 100	R5074	0RJ1502D677	MCR03EZIPJ153 15KOHM 5% 1/10W 16
R5001	0RJ0222C678	MCR01MZIPJ220 220OHM 5% 1/16W 100	R5075	0RJ6801D677	MCR03EZIPJ682 6.8KOHM 5% 1/10W 1
R5002	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5076	0RJ0682D677	MCR03EZIPJ680 68OHM 5% 1/10W 160
R5003	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5077	0RJ0222C678	MCR01MZIPJ220 220OHM 5% 1/16W 100
R5004	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5078	0RJ0222C678	MCR01MZIPJ220 220OHM 5% 1/16W 100
R5005	0RJ0222C678	MCR01MZIPJ220 220OHM 5% 1/16W 100	R5079	0RJ1000C678	MCR01MZIPJ101 100OHM 5% 1/16W 10
R5006	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5080	0RJ4703D677	MCR03EZIPJ474 470KOHM 5% 1/10W 1
R5007	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5081	0RJ2201D677	MCR03EZIPJ222 2.2KOHM 5% 1/10W 1
R5008	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5082	0RJ1001C678	MCR01MZIPJ102 1KOHM 5% 1/16W 100
R5015	0RJ1000C678	MCR01MZIPJ101 100OHM 5% 1/16W 10	R5083	0RJ1001C678	MCR01MZIPJ102 1KOHM 5% 1/16W 100
R5020	0RJ1000C678	MCR01MZIPJ101 100OHM 5% 1/16W 10	R5084	0RJ1001C678	MCR01MZIPJ102 1KOHM 5% 1/16W 100
R5023	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5085	0RJ1001C678	MCR01MZIPJ102 1KOHM 5% 1/16W 100
R5027	0RJ1003D677	MCR03EZIPJ104 100KOHM 5% 1/10W 1	R5086	0RJ0752C678	MCR01MZIPJ750 75OHM 5% 1/16W 100
R5029	0RJ2201D677	MCR03EZIPJ222 2.2KOHM 5% 1/10W 1	R5087	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005
R5030	0RJ6800D677	MCR03EZIPJ681 680OHM 5% 1/10W 16	R5088	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005
R5031	0RJ2201D677	MCR03EZIPJ222 2.2KOHM 5% 1/10W 1	R5089	0RJ1001C678	MCR01MZIPJ102 1KOHM 5% 1/16W 100
R5034	0RJ2200D677	MCR03EZIPJ221 220OHM 5% 1/10W 16	R5090	0RJ1002C678	MCR01MZIPJ103 10KOHM 5% 1/16W 10
R5035	0RJ7500D677	MCR03EZIPJ751 750OHM 5% 1/10W 16	R5091	0RJ4703D677	MCR03EZIPJ474 470KOHM 5% 1/10W 1
R5036	0RJ1002C678	MCR01MZIPJ103 10KOHM 5% 1/16W 10	R5093	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005
R5037	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005	R5094	0RJ0000C678	MCR01MZIPJ000 0OHM 5% 1/16W 1005
R5038	0RJ6800D677	MCR03EZIPJ681 680OHM 5% 1/10W 16	R5095	0RJ0752C678	MCR01MZIPJ750 75OHM 5% 1/16W 100
R5039	0RJ1501D477	MCR03EZIPF152 1.5KOHM 1% 1/10W 1	R5096	0RJ4701C678	MCR01MZIPJ472 4.7KOHM 5% 1/16W 1
R5040	0RJ1001C678	MCR01MZIPJ102 1KOHM 5% 1/16W 100	R5097	0RJ4701C678	MCR01MZIPJ472 4.7KOHM 5% 1/16W 1
R5042	0RJ7500D677	MCR03EZIPJ751 750OHM 5% 1/10W 16	R5099	0RJ0822C678	MCR01MZIPJ820 82OHM 5% 1/16W 100
R5044	0RJ1501D477	MCR03EZIPF152 1.5KOHM 1% 1/10W 1	R5100	0RJ1502D677	MCR03EZIPJ153 15KOHM 5% 1/10W 16
R5045	0RJ4701C678	MCR01MZIPJ472 4.7KOHM 5% 1/16W 1	R5101	0RJ6801D677	MCR03EZIPJ682 6.8KOHM 5% 1/10W 1
R5046	0RJ4701C678	MCR01MZIPJ472 4.7KOHM 5% 1/16W 1	R5103	0RJ0822C678	MCR01MZIPJ820 82OHM 5% 1/16W 100
R5048	0RJ0822C678	MCR01MZIPJ820 82OHM 5% 1/16W 100	R5105	0RJ2201D677	MCR03EZIPJ222 2.2KOHM 5% 1/10W 1
R5049	0RJ1502D677	MCR03EZIPJ153 15KOHM 5% 1/10W 16	R5106	0RJ0822C678	MCR01MZIPJ820 82OHM 5% 1/16W 100
R5050	0RJ6801D677	MCR03EZIPJ682 6.8KOHM 5% 1/10W 1	R5107	0RJ1502D677	MCR03EZIPJ153 15KOHM 5% 1/10W 16
R5052	0RJ3900D677	MCR03EZIPJ391 390OHM 5% 1/10W 16	R5108	0RJ6801D677	MCR03EZIPJ682 6.8KOHM 5% 1/10W 1
R5053	0RJ3900D677	MCR03EZIPJ391 390OHM 5% 1/10W 16	R5109	0RJ4703D677	MCR03EZIPJ474 470KOHM 5% 1/10W 1
R5054	0RJ0822C678	MCR01MZIPJ820 82OHM 5% 1/16W 100	R5110	0RJ2201D677	MCR03EZIPJ222 2.2KOHM 5% 1/10W 1
R5055	0RJ2200D677	MCR03EZIPJ221 220OHM 5% 1/10W 16	R5111	0RJ4703D677	MCR03EZIPJ474 470KOHM 5% 1/10W 1
R5057	0RJ2201D677	MCR03EZIPJ222 2.2KOHM 5% 1/10W 1	R5112	0RJ1502D677	MCR03EZIPJ153 15KOHM 5% 1/10W 16

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
R5113	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1	R6058	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R5114	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 1	R6059	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R5115	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10	R6063	0RH0000D622	MCR10EZPJ000 0OHM 5% 1/8W 2012
R5116	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10	R6064	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R5117	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16	R6065	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R5118	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16	R6066	0RD0182H609	18OHM 5% 1/2W
R5120	0RJ0752D677	MCR03EZPJ750 750OHM 5% 1/10W 160	R6077	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R5121	0RJ0752D677	MCR03EZPJ750 750OHM 5% 1/10W 160	R6078	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R5122	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 1	R6079	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R5123	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 1	R6082	0RJ1202D677	MCR03EZPJ123 12KOHM 5% 1/10W 16
R5124	0RJ5601D677	MCR03EZPJ562 5.6KOHM 5% 1/10W 1	R6083	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10
R5125	0RJ5601D677	MCR03EZPJ562 5.6KOHM 5% 1/10W 1	R6084	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R5126	0RJ0752D677	MCR03EZPJ750 750OHM 5% 1/10W 160	R6085	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R5127	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R6086	0RJ1202D677	MCR03EZPJ123 12KOHM 5% 1/10W 16
R5128	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 1	R6087	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R5129	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R6088	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10
R5130	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7004	0RJ1500D677	MCR03EZPJ151 150OHM 5% 1/10W 16
R5131	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7005	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10
R5132	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7006	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 160
R6006	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7007	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1
R6007	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7008	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 16
R6008	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7009	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 160
R6009	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7010	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R6010	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7011	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R6011	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7012	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R6012	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7013	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R6013	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7014	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R6014	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7015	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R6015	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7016	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16
R6027	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R7018	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R6028	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R7019	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R6029	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R7021	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1
R6030	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R7022	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 16
R6031	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R7029	0RJ1500D677	MCR03EZPJ151 150OHM 5% 1/10W 16
R6032	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R7030	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10
R6033	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R7035	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R6034	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R7036	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 100
R6035	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R7037	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 100
R6036	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R7038	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R6037	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R7039	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R6038	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R7040	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R6042	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R7041	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R6043	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R7042	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R6048	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7043	0RJ3900D677	MCR03EZPJ391 390OHM 5% 1/10W 16
R6049	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R7044	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 100
R6050	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R7045	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 100
R6051	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R7046	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R6052	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R7047	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R6053	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10	R7048	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R6054	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10	R7049	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R6057	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R7050	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1

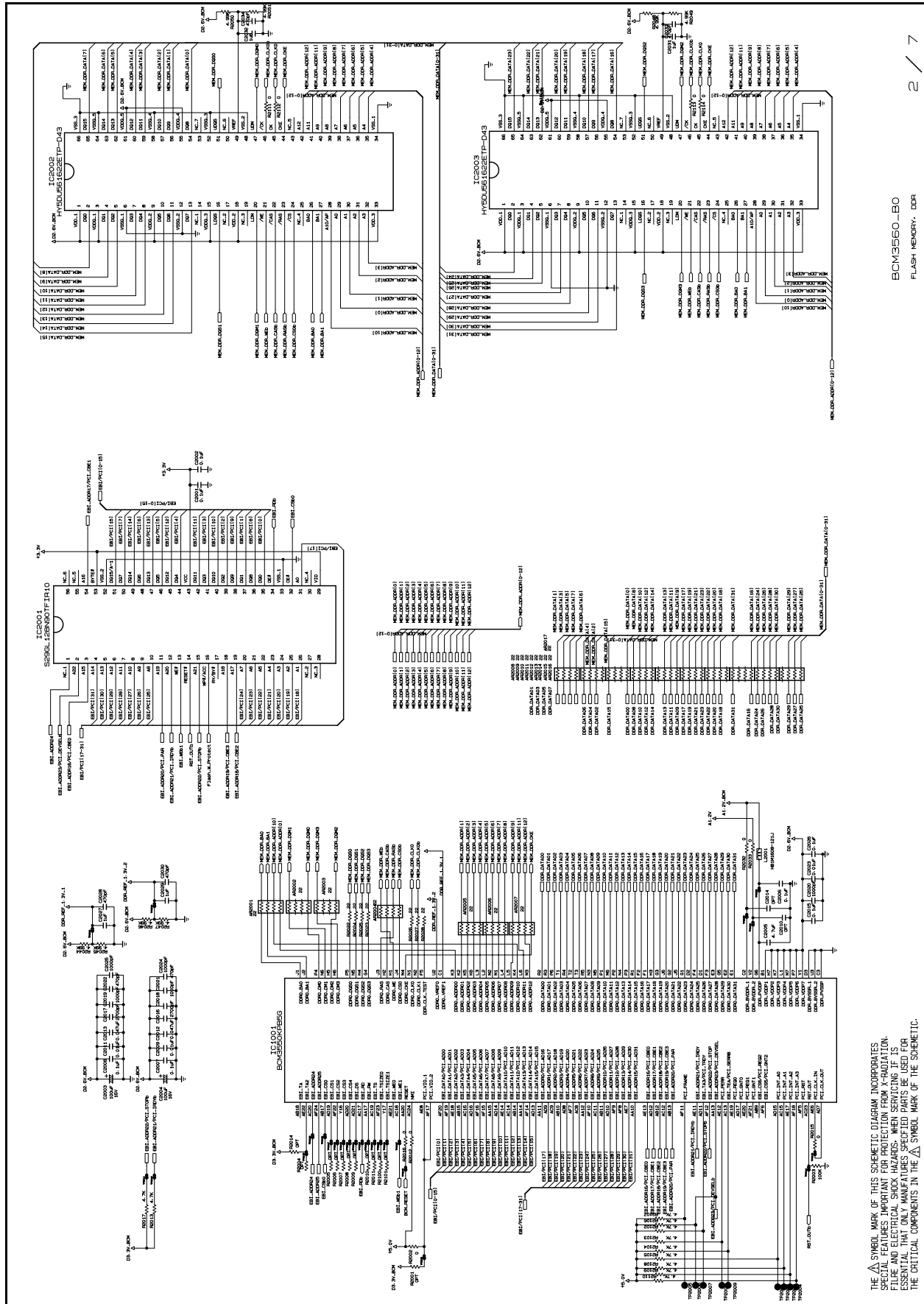
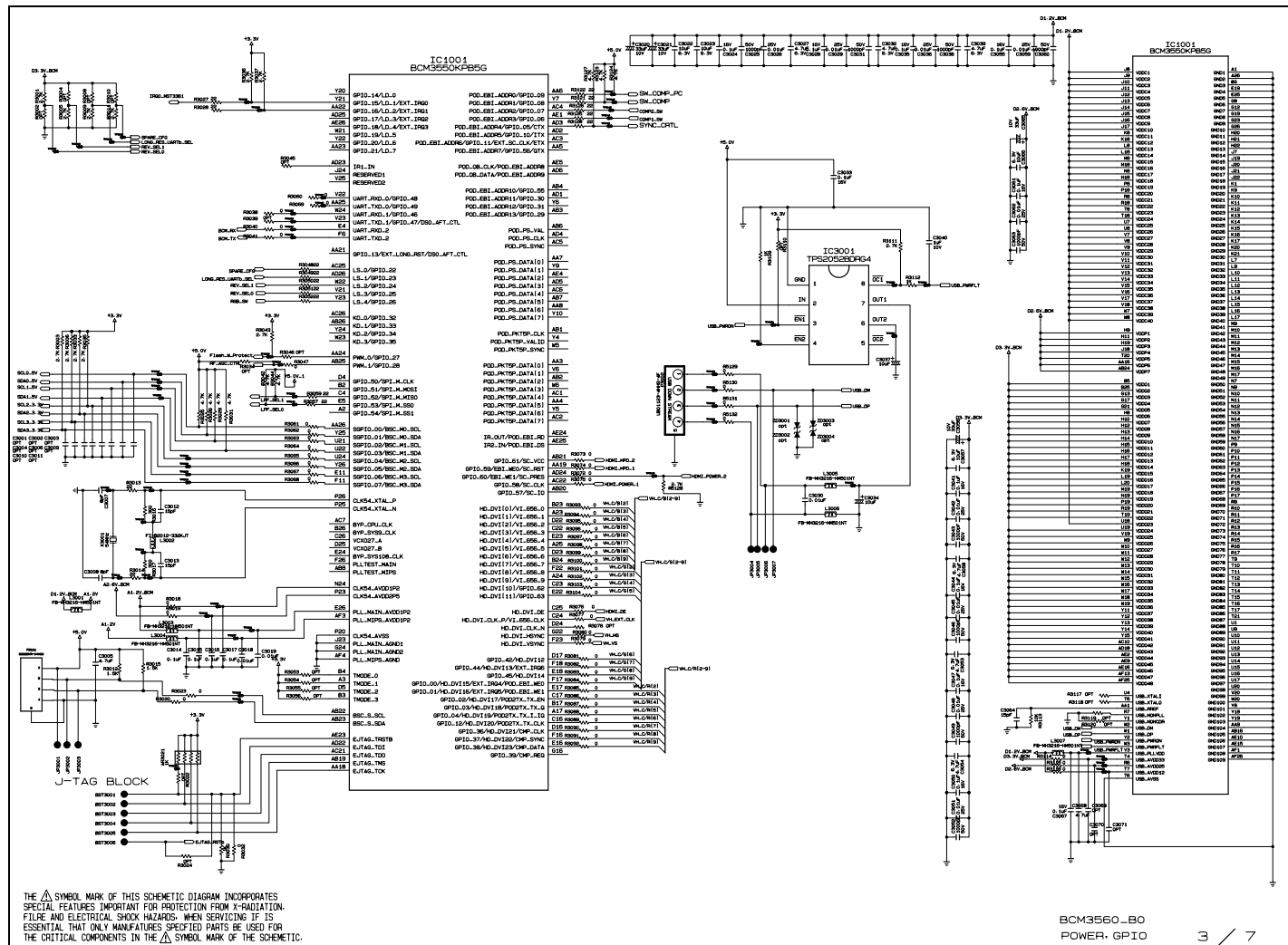
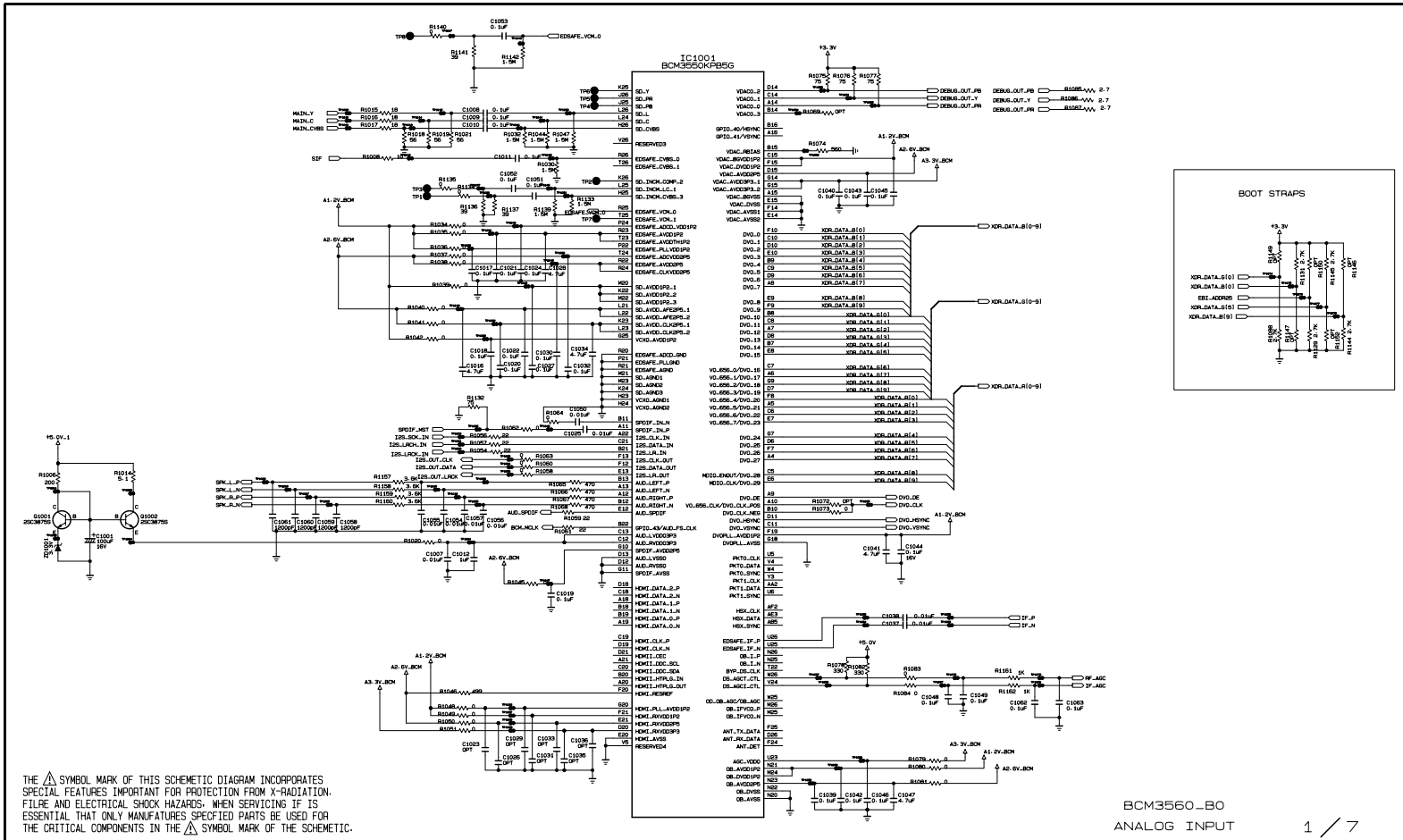
REPLACEMENT PARTS LIST

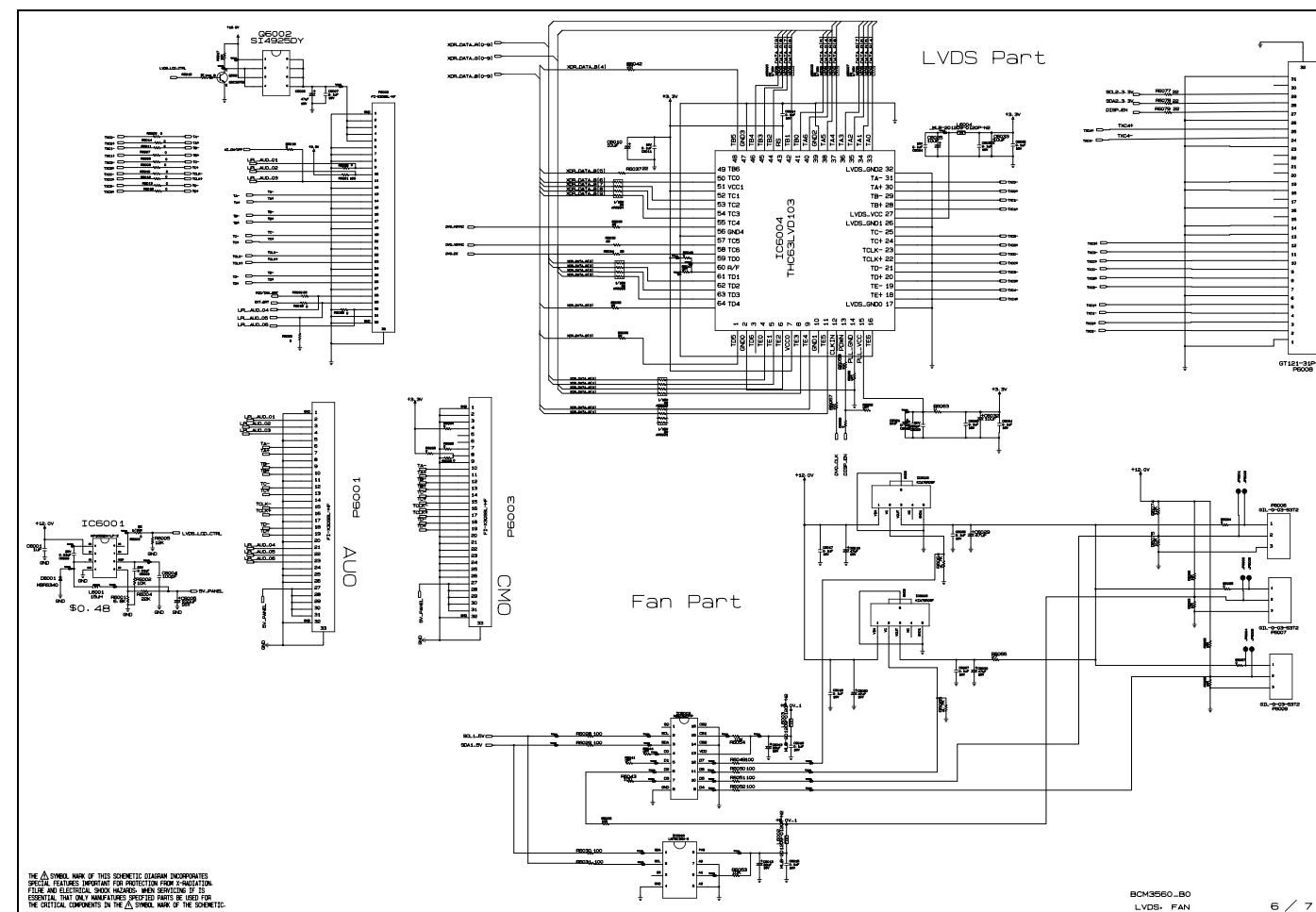
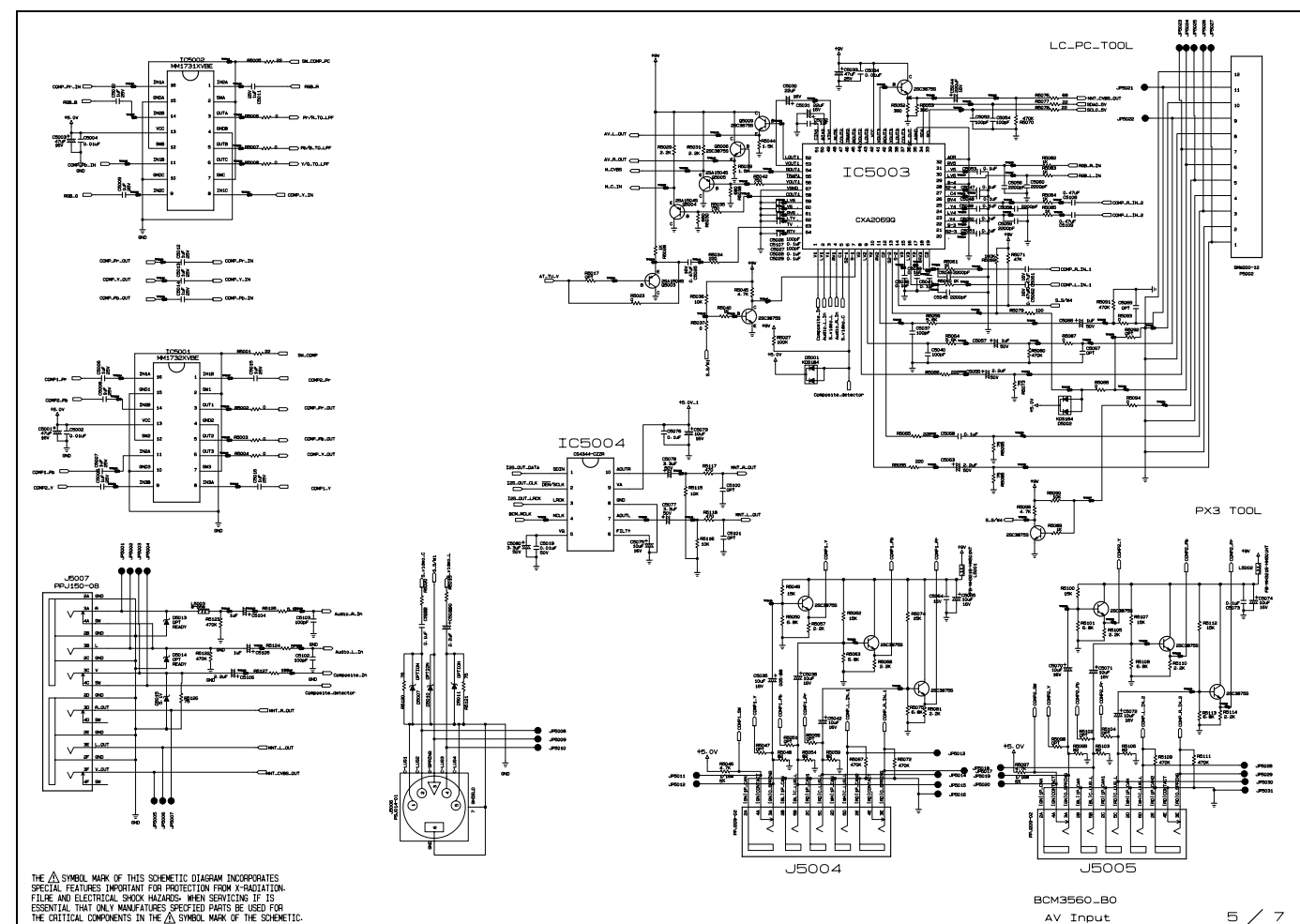
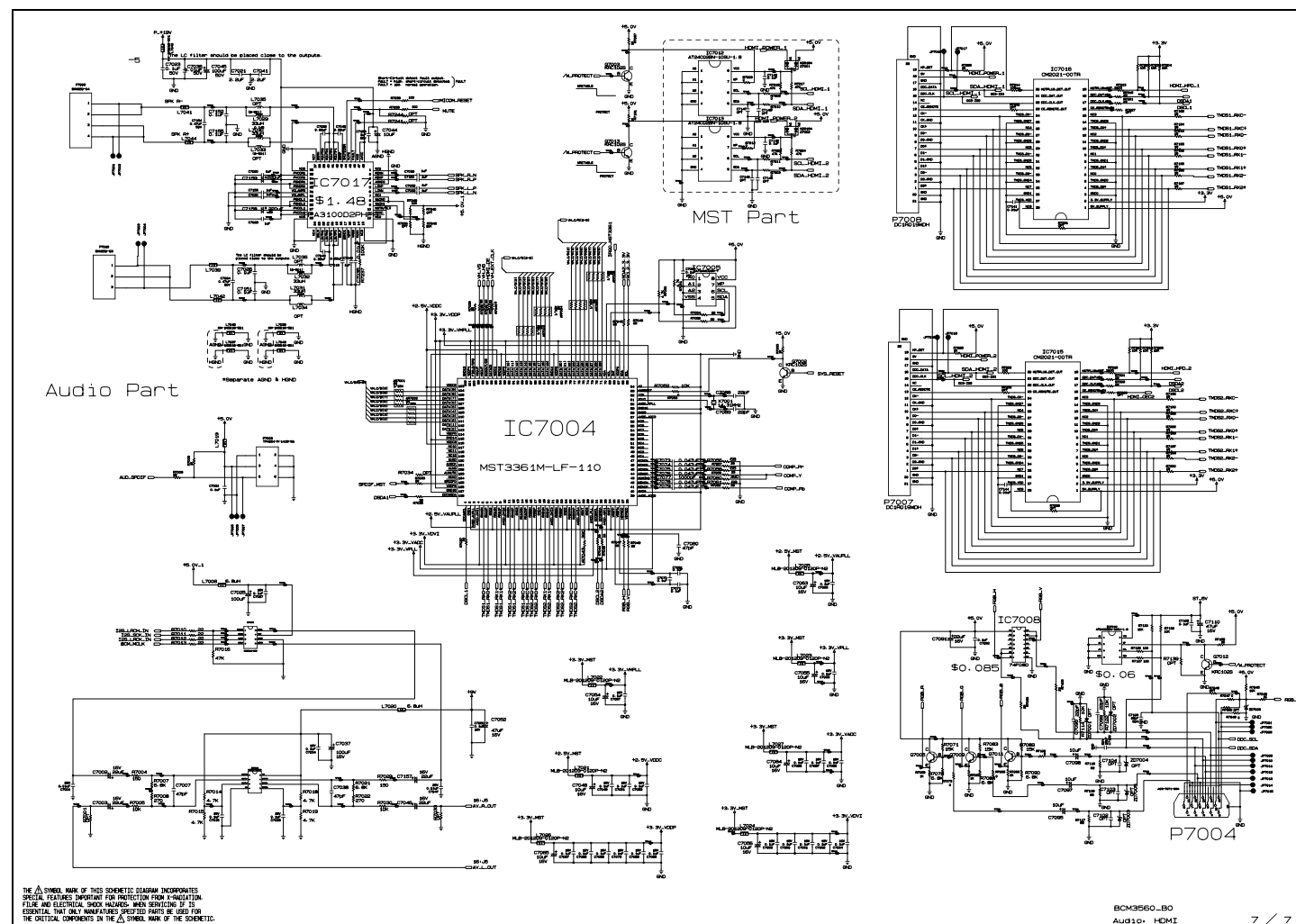
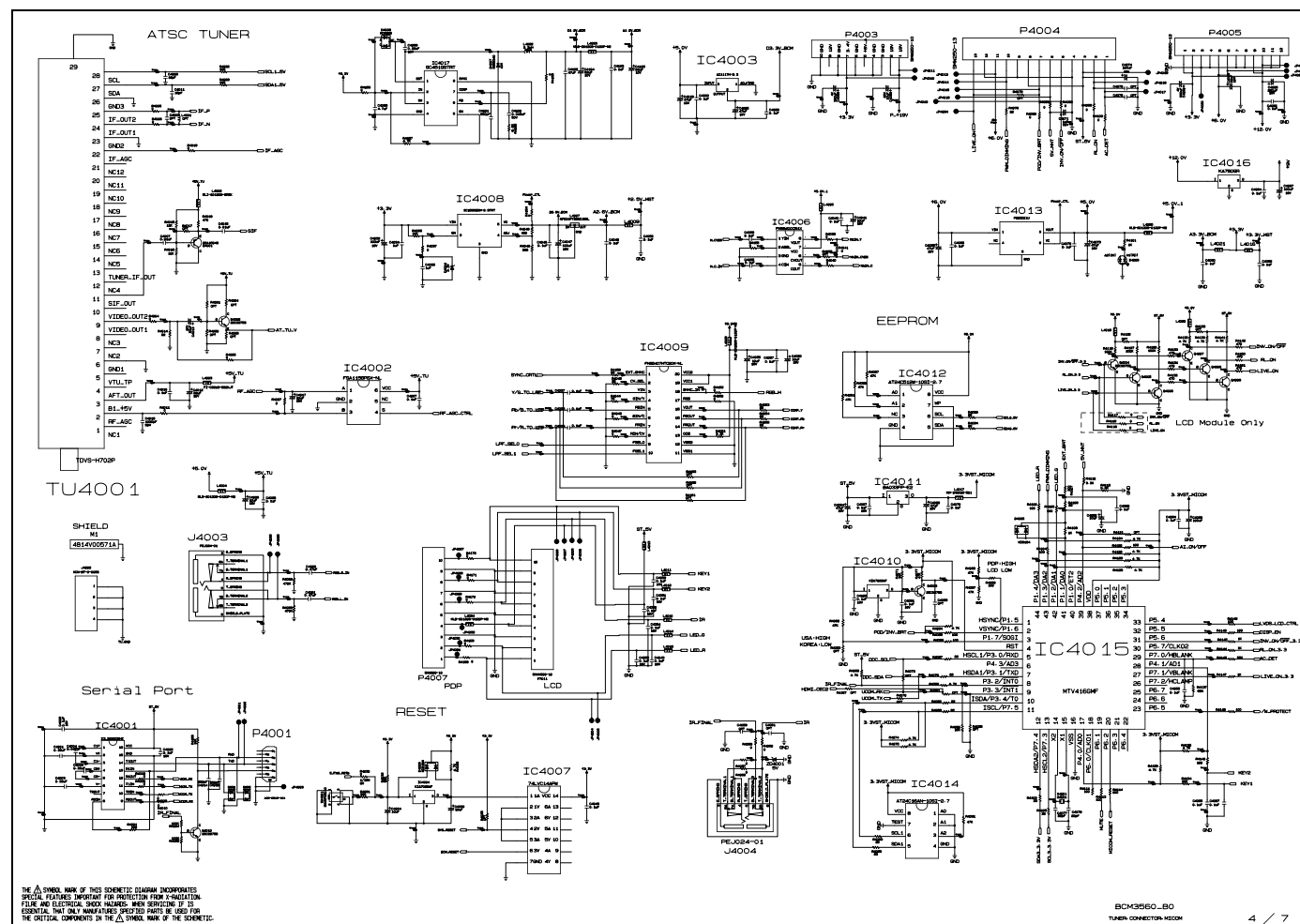
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R7051	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R7199	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160
R7052	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16	R7200	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 16
R7053	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7201	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 160
R7054	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R7202	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 160
R7055	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R7203	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R7056	0RJ0682D677	MCR03EZPJ680 68OHM 5% 1/10W 160	R7204	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7057	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 100	R7205	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7058	0RJ0682D677	MCR03EZPJ680 68OHM 5% 1/10W 160	R7206	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7059	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 100	R7207	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7060	0RJ3900D677	MCR03EZPJ391 390OHM 5% 1/10W 16	R7208	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R7061	0RJ0682D677	MCR03EZPJ680 68OHM 5% 1/10W 160	R7209	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R7062	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 100	R7210	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R7063	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R7211	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R7067	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R7212	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R7068	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R7213	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 16
R7071	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 16	R7214	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 16
R7072	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1	R7215	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 160
R7073	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7216	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 16
R7080	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R7217	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16
R7083	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 16	R7218	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16
R7084	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1	R7219	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160
R7085	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7220	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160
R7086	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R7221	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 160
R7088	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R7222	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160
R7089	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 16	R7223	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16
R7090	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1	R7224	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16
R7100	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7225	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R7105	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100	R7225	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 1
R7114	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16	R7226	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R7117	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 100	R7226	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 1
R7118	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 100	R7233	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7119	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 100	R7234	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
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R7126	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R7238	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
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R7130	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16	R7242	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7132	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16	R7243	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7155	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R7245	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7186	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160	R7246	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R7187	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160	R7247	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R7188	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160	R7249	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R7189	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160	SWITCH		
R7190	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160	SW101	140-313B	Switch, Tact KPT-1115AM 1C1P 1
R7191	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	SW102	140-313B	Switch, Tact KPT-1115AM 1C1P 1
R7192	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160	SW103	140-313B	Switch, Tact KPT-1115AM 1C1P 1
R7193	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160	SW104	140-313B	Switch, Tact KPT-1115AM 1C1P 1
R7194	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160	SW105	140-313B	Switch, Tact KPT-1115AM 1C1P 1
R7195	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160	SW106	140-313B	Switch, Tact KPT-1115AM 1C1P 1
R7196	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160	SW107	140-313B	Switch, Tact KPT-1115AM 1C1P 1
R7197	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160	SW108	140-313B	Switch, Tact KPT-1115AM 1C1P 1
R7198	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160			

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
SW4001	EBF32593901	Switch,Tact TMUE312GAB 1C1P
FILTER & CRYSTAL		
F1	6200J000055	Filter,AC Line ID-N10BESL2 0.61mH
F2	6210VH0004A	Filter,Ferrite Core 6210VH0004A 100OHM
F3	6210VH0004B	Filter,Ferrite Core ZCAT3035-1330-M-K 1
L2001	6210TCE0013	Filter,Bead HB-1M1608-121JT 120
L3001	6210VC0006A	Filter,Bead FBMH3216 HM501NT 50
L3003	6210VC0006A	Filter,Bead FBMH3216 HM501NT 50
L3004	6210VC0006A	Filter,Bead FBMH3216 HM501NT 50
L3005	6210VC0006A	Filter,Bead FBMH3216 HM501NT 50
L3006	6210VC0006A	Filter,Bead FBMH3216 HM501NT 50
L3007	6210VC0006A	Filter,Bead FBMH3216 HM501NT 50
L4003	6210TCE001E	Filter,Bead HB-1M2012-800JT 80O
L4004	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4004	6210TCE001E	Filter,Bead HB-1M2012-800JT 80O
L4005	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4007	6200J000123	Filter,LCR NFE31PT222Z1E9L LPF
L4008	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4009	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4010	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4011	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4012	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4013	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4014	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4015	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4016	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4017	6210TCE001G	Filter,Bead HH-1M3216-501JT 500
L4021	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4021	6210TCE001E	Filter,Bead HB-1M2012-800JT 80O
L4023	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4024	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L4025	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L5001	6210VC0006A	Filter,Bead FBMH3216 HM501NT 50
L5002	6210VC0006A	Filter,Bead FBMH3216 HM501NT 50
L5003	6210TCE001A	Filter,Bead HB-1S2012-080JT 8OH
L6002	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L6003	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L6004	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L7019	6210VC0006A	Filter,Bead FBMH3216 HM501NT 50
L7021	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L7022	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L7023	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L7024	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L7025	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L7026	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L7027	0LCML00003B	Filter,Bead MLB-201209-0120P-N2
L7037	6210TCE001G	Filter,Bead HH-1M3216-501JT 500
L7038	6210TCE001G	Filter,Bead HH-1M3216-501JT 500
L7039	6210TCE001S	Filter,Bead HU-1M2012-121 120OH
L7040	6210TCE001G	Filter,Bead HH-1M3216-501JT 500

LOCA. NO	PART NO	DESCRIPTION
L7041	6210TCE001S	Filter,Bead HU-1M2012-121 120OH
L7042	6210TCE001S	Filter,Bead HU-1M2012-121 120OH
L7043	6210TCE001G	Filter,Bead HH-1M3216-501JT 500
L7044	6210TCE001S	Filter,Bead HU-1M2012-121 120OH
L7045	6210TCE001G	Filter,Bead HH-1M3216-501JT 500
X3001	6212AA2600A	Crystal,54MHz 3OT 54MHZ
X4001	6202TST001E	Crystal,SX-1 24MHZ 30PPM 24MHZ
X7001	6202TST001A	Crystal,SX-1 14.31818MHZ 30PPM
MISCELLANEOUS		
IC2001	SAA30190007	S/W,Firmware 3.05.0 458D
IC4015	SAA30194106	S/W,Firmware 3.04.0 AF56
IC6002	0IPRPNS054A	Sensor,Temperature LM75CIMX-3
M1	4814V00571C	Plate,CASE TUNER TOP(NCT)
P7003	68719ST035B	PCB Assembly,Sub SUB T.T AF05FD
PA101	6712000011B	Receiver Module,KSM-2013TE2A
TU4001	EBL32758001	Tuner,Analog/Digital TDVS-H703P
ACCESSORIES		
A1	38289U0527F	Manual,USER PA63E
"	38289U0527L	Manual,USER PA63E *LGECI
A2	6710900011V	Remote Controller,COMPLEX PA63E
A3	6410VUH005E	Power Cord,PJ6S1EAGN0A-092
A4	68509A0004G	Cable,Assembly RCA R/A TO RCA S/T
A5	6850J00005C	Cable,Assembly GT121 HOUSING
A6	6851V00019A	Cable,Assembly RF CONNECTOR(M)
A7	4810V00509B	Bracket,MOLD ABS WALL AP-60DA10
A8	4350V00046A	Ring,MOLD HIPS







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